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WILDCAT DRILLING IN ILLINOIS SINCE 1936 WITH DISCUSSION OF PROSPECTS FOR FURTHER DISCOVERIES

AND

Table of Wildcat Wells Completed in 1942

BY

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INTRODUCTION

The decline in the discovery rate for new oil reserves in the United States has called attention to the question of what the trend of the discovery rate will be in the future, especially in productive regions located close to areas of large consumption. Illinois is one oil-producing area which lies close to a large market. In an attempt to throw light on the question of future discovery rates in Illinois, the results of exploratory or wildcat drilling for the past 6½ years are analyzed, beginning with 1937—the year in which the second great Illinois development began—to June 1, 1943 (tables 2-8). This study reveals a noteworthy decline in the quantity and quality of the successful wildcats completed, and some suggestions for improving this situation are given.

In compiling the statistics of drilling in Illinois since 1936, wells located more than a quarter of a mile from producing wells and located outside of proved territory have been designated as wildcat wells. This applies to table 13, "wildcat wells drilled in 1942." However, for the purpose of the following discussion, a wildcat well has been defined as a potential pool opener, and therefore wells that discovered extensions of existing pools are eliminated as wildcats because they may be considered as pool development wells.

The dry wildcat wells are classified according to the deepest formation tested and according to whether they were drilled inside or outside of the area in which the Chester series lies beneath the Pennsylvanian system. These areas are called "inside the sub-Pennsylvanian—Chester area" and "outside the sub-Pennsylvanian—Chester area." All of the pools discovered since 1936 are in the sub-Pennsylvanian—Chester area. This area is approximately the same as the area recommended by A. H. Bell in 1930 as having the best possibilities for oil production.

A geologic column for southern Illinois and a map showing the areas defined above are given in table 1 and figure 1.

To show changes in the rate of discovery of new oil by wildcat drilling, tables showing the development of the pools by years to June 1, 1943, are presented (tables 2-8). Numbers of productive wells drilled in each pool by years has been used as an index to the size of the

TABLE 1.—GEOLOGIC COLUMN FOR SOUTHERN ILLINOIS

System or Series	Group or Formation, and Lithology*
Pleistocene	Glacial drift and loess
Pliocene	Chert gravel
Eocene	Sand and clay } Southern tip of state
Cretaceous	Sand and clay } Southern tip of state
Pennsylvanian	McLeansboro group – sh., ss., thin ls., and coal Carbondale group – sh., ls., ss., coal Tradewater group – ss., sh., and thin coal Caseyville group – ss., sh., and thin coal
Chester (Upper Mississippian) series	Kinkaid – ls., sh. Degonia – ss. Clore – ls., sh. Palestine – ss. Menard – ls., sh. Waltersburg – ss. Vienna – ls., sh. Tar Springs – ss. Glen Dean – ls., sh. Hardinsburg – ss. Golconda – ls., sh. Cypress – ss. Paint Creek – ls., sh. Bethel – ss. Renault – ls., sh., ss. Aux Vases – ss.
Iowa (Lower Mississippian) series	Ste. Genevieve – { Levias – ls. / Rosiclare – ss. / Fredonia – ls. } St. Louis – ls. Salem – ls. Warsaw – ls. } Osage group Keokuk – ls. } Osage group Burlington – ls. } Osage group Fern Glen – ls. } Osage group Kinderhook – sh., ls., ss.—"Hardin" ss.
Mississippian and Devonian	Chattanooga – New Albany sh.
Devonian	Limestone } (formations undifferentiated)
Silurian	Dolomite } (formations undifferentiated)
Ordovician	Maquoketa – sh. Kimmswick – ls. Plattin – ls. Joachim – ls. St. Peter – ss.
Pre-St. Peter	Unidentified

* ls.—limestone; ss.—sandstone; sh.—shale.

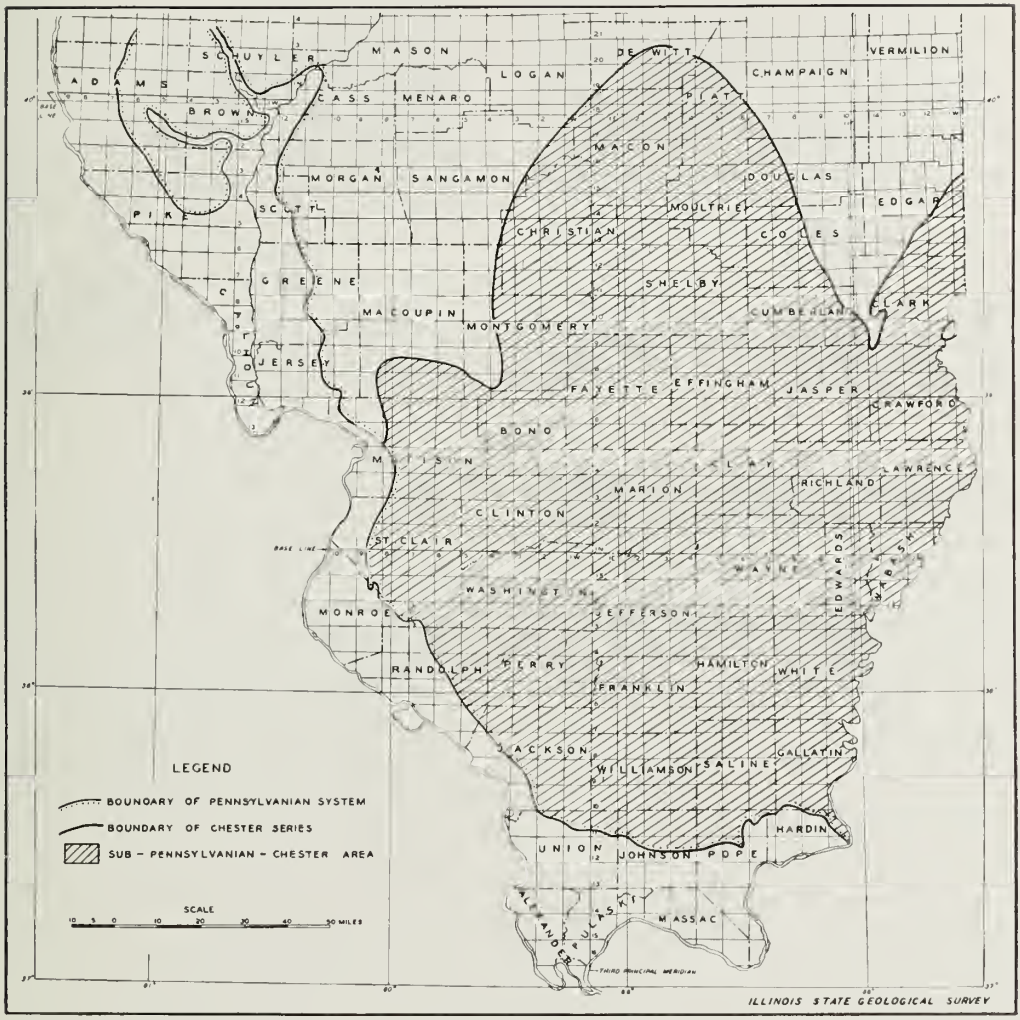

FIG. 1.—Map showing the sub-Pennsylvanian—Chester area. Adapted from Workman, L. E., Subsurface Geology of the Chester series in Illinois: Illinois Geol. Survey Rept. Inv. No. 61, fig. 3, p. 220, 1940.

pool found and to the rate at which it was drilled up. Abandoned producers are considered a part of the pool because they contributed to the pool's production and so are included in the tables.

Regarding the rate of drilling, attention is called to the fact that, other things being equal, discovery wells that have large initial production are rapidly offset, and the pools that they discovered are soon drilled up. For this reason it was decided to include the initial productions with the 1943 discoveries because it may explain in part why only 17 wells have been drilled in the eight pools discovered to June 1.

The table showing wildcat wells drilled in 1942 (table 13) contains information relative to oil saturation in the cores. These cores were collected and described in the field by Wayne F. Meents of the Survey staff. The cores are available for inspection in the files of the Illinois Geological Survey, Urbana, Illinois.

The tables and graphs in this report present the picture of the results obtained by wildcat drilling in the State since 1937. The statistics speak for themselves and need but little discussion.

The conclusions of the report are that additional possibilities of unknown extent are yet to be explored by the drill in Illinois.

Acknowledgments

Acknowledgments for helpful criticism are due especially to Alfred H. Bell, Head of the Oil and Gas Division, and to Frederick Squires.

1937

Summary of Wildcat Wells Drilled in 1937

Number of wildcat wells drilled	113
Number of pools discovered	9*
Number of wildcats per discovery	12
Number of wildcats in the sub-Pennsylvanian—Chester area per discovery	11

* One gas well.

Deepest Formation Tested by 104 Dry Wildcats in 1937

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	6	1
Chester (Upper Mississippian) series	22	0
Iowa (Lower Misisppian) series	54	0
Devonian system	7	0
Silurian system	1	0
Ordovician system	6	4
Cambrian system	0	2
Pre-Cambrian	0	1
Total	96	8

Of the eight oil pools discovered in 1937, the average pool as of June 1, 1943, consisted of 516 productive wells on 5,453 acres. It had a cumulative production of more than 12,000,000 barrels of oil and an approximate daily average production in May, 1943 of 7,500 barrels. Its oil production was largely from the Mississippian formations.

Devonian production was obtained in three and "Trenton" production in one of these eight oil pools.

Table 2, p. 6, gives detailed data for 1937.

1938

Summary of Wilcat Wells Drilled in 1938

Number of wildcats drilled	374
Number of pools discovered	15
Number of wildcats per discovery	25
Number of wildcats in the sub-Pennsylvanian—Chester area per discovery	21

Deepest Formation Tested by 359 Dry Wildcats in 1938

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	15	8
Chester (Upper Mississippian) series	95	0
Iowa (Lower Mississippian) series	180	13
Devonian system	9	16
Silurian system	0	1
Ordovician system	8	14
Total	307	52

Of the 15 pools discovered in 1938, the average pool as of June 1, 1943, consisted of 198 productive wells on 1,168 acres. The cumulative production was more than 12,500,000 barrels of oil and the average daily production was 2,500 barrels. Its oil production came largely from the Mississippian formations.

Devonian production was obtained in two and "Trenton" production in one of these 15 pools.

Table 3, p. 7, gives the data for 1938.

TABLE 2.—DEVELOPMENT OF POOLS DISCOVERED IN 1937 TO JUNE 1, 1943

(PRODUCTION IN BBLS.)

Pool: County	No. of wells drilled								Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation	
	1937	1938	1939	1940	1941	1942	1943	Total				Name	Depth (ft.)
1. Clay City Consol. Clay, Wayne	80	144	207	156	118	18	0	723	13,420	28,660,000	6,766	McClosky	3,000
2. Centralia Clinton, Marion	1	524	27	345	8	0	0	905	2,850	23,055,000	4,615	"Trenton"	4,200
3. Louden Fayette	1	486	843	416	181	36	8	1,971	20,200	93,721,000	39,623	Devonian	3,025
4. Russellville (gas) Lawrence	1	13	18	9	8	5	5	59	1,720	4990 MM cf.	5 MM cf.	Bethel	1,775
5. Patoka Marion	93	22	0	2	13	0	0	130	910	2,965,000	840	Devonian	2,850
6. Noble Richland	47	108	69	26	18	27	11	306	4,800	15,720,000	7,220	McClosky	3,000
7. Olney Richland	1	29	6	2	0	2	1	41	500	1,267,000	316	McClosky	3,100
8. Cisne Wayne	3	23	21	0	0	1	0	48	920	2,708,000	445	McClosky	3,200
9. Rinard Wayne	1	0	0	0	Abd.			1	20	15,000	0	McClosky	3,175
Total	228	1,349	1,191	956	346	89	25	4,184	45,340	168,111,000	59,825		
Average (8 pools)	28	167	147	118	42	11	3	516	5,453	21,014,000	7,478		

TABLE 3.—DEVELOPMENT OF POOLS DISCOVERED IN 1938
TO JUNE 1, 1943

(PRODUCTION IN BBLS.)

Pool: County	No. of wells drilled							Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation	
	1938	1939	1940	1941	1942	1943	Total				Name	Depth
1. Sorento Bond	1	0	2	0	0	0	3	30	4,000	0	Devonian	1,900
2. Flora Clay	9	8	2	2	1	2	24	400	388,000	320	McClo ky	2,975
3. St. James Fayette	24	52	101	11	2	1	191	2,000	6,157,000	3,280	Cypress	1,625
4. Elk Prairie Jefferson	1	0	Abd.				1	20	1,000	0	McClosky	2,800
5. Ina Jefferson	1	0	0	Abd.			1	20	15,000	0	St. Louis	3,000
6. Marcoe Jefferson	1	1	0	Abd.			2	40	13,000	0	McClosky	2,775
7. Roaches Jefferson	2	7	1	0	0	0	10	160	407,000	132	McClosky	2,250
8. Dix, Jefferson Marion	35	22	8	11	5	0	81	1,470	3,230,000	1,456	Rosiclare	2,125
9. Salem Marion	524	1,088	793	11	2	7	2,425	9,200	171,492,000	28,886	"Trenton"	4,625
10. Schnell Richland	4	0	0	0	0	1	5	80	186,000	110	McClosky	3,075
11. Aden North Wayne	40	20	5	0	1	0	66	1,100	2,878,000	866	McClosky	3,350
12. Boyleston Wayne	1	24	58	17	14	2	116	2,000	3,227,000	1,318	McClosky	3,275
13. Leech Township Wayne	2	7	5	0	0	0	14	240	375,000	159	McClosky	3,450
14. Mt. Erie Wayne	1	0	0	0	10	4	15	400	195,000	677	McClosky	3,100
15. Aden Wayne, Hamilton	4	1	3	1	1	0	10	370	642,000	624	McClosky	3,350
Total	650	1,230	978	53	36	17	2,964	17,530	189,210,000	37,828		
Average (15 pools)	43	82	65	4	2	1	198	1,168	12,614,000	2,522		

TABLE 4.—DEVELOPMENT OF POOLS DISCOVERED IN 1939 TO JUNE 1, 1943

(PRODUCTION IN BBLS.)

Pool: County	No. of wells drilled					Total	Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation	
	1939	1940	1941	1942	1943					Name	Depth
1. Iola Clay	2	0	3	3	36	44	450	240,000	1,996	McClosky	2,450
2. Hoffman Clinton	1	40	3	0	0	44	300	394,000	205	Bethel	1,325
3. Mattoon Coles	1	1	0	0	0	2	20	26,000	15	Cypress	1,925
4. Cowling Edwards	11	2	0	0	0	13	150	287,000	55	Cypress	2,650
5. Grayville Edwards, White	8	0	0	0	0	8	100	151,000	55	McClosky	3,190
6. Whittington Franklin	1	0	0	0	0	1	20	22,000	7	St. Louis	3,070
7. Junction Gallatin	6	8	0	0	0	14	150	179,000	10	Waltersburg	1,800
8. Cravat Jefferson	6	5	0	0	0	11	100	178,000	76	Bethel	2,080
9. Tonti Marion	35	14	6	0	0	55	380	5,885,000	1,922	Devonian	3,525
10. Fairman Marion, Clinton	11	5	9	0	0	25	490	806,000	430	Bethel	1,480
11. Dundas Consol. Richland, Edwards	18	105	115	39	1	278	6,600	9,933,000	3,074	McClosky	2,925
12. Stewardson Shelby	1	2	0	0	0	3	30	35,000	101	Aux Vases	1,975
13. Keensburg Consol. Wabash	167	95	40	28	2	332	2,800	8,287,000	3,391	McClosky	2,800
14. Keensburg East Wabash	1	2	0	0	0	3	30	5,000	0	McClosky	2,725
15. Mt. Carmel West Wabash	2	0	0	0	2	4	400	2,000	6	Tar Springs	1,950
16. Cordes Washington	95	33	0	3	5	136	1,600	2,329,000	1,189	Bethel	1,300
17. Dubois Washington	1	3	5	1	0	10	160	94,000	50	Bethel	1,375
18. Barnhill Wayne	41	22	1	0	0	64	880	1,634,000	341	Salem	3,850

19. Barnhill East		2	0	0	2	1	5	60	44,000	76	McClosky	3,400
Wayne												
20. Goldengate		1	0	1	1	0	3	100	24,000	46	McClosky	3,400
Wayne												
21. Mt. Erie South		1	0	0	1	0	2	40	11,000	0	McClosky	3,280
Wayne												
22. Calvin		1	0	0	0	1	2	40	30,000	15	McClosky	2,950
White												
23. New Harmony Consol.		12	192	445	61	9	719	6,800	21,193,000	14,799	McClosky	3,000
White, Hamilton												
24. Phillipstown		2	4	5	28	24	63	1,200	857,000	3,634	McClosky	3,050
White												
25. Stokes		7	5	5	11	9	37	1,000	903,000	1,531	McClosky	3,125
White												
26. Storms		17	113	25	1	0	156	1,600	3,889,000	1,275	Paint Creek	2,850
White												
27. Mill Shoals		22	28	43	16	0	109	1,100	2,758,000	1,194	McClosky	3,400
White, Hamilton												
Total		473	679	706	195	90	2,143	26,600	60,196,000	35,493		
Average (27 pools)		18	25	26	7	3	79	985	2,229,481	1,315		

1939

Summary of Wildcat Wells Drilled in 1939

Number of wildcats drilled	475
Number of pools discovered	27
Number of wildcats per discovery	18
Number of wildcats in the sub-Pennsylvanian—Chester area per discovery	15

Deepest Formation Tested by 448 Dry Wildcats in 1939

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	25	7
Chester (Upper Mississippian) series	80	0
Iowa (Lower Mississippian) series	227	7
Devonian system	37	21
Silurian system	3	0
Ordovician system	9	31
Cambrian system	0	1
Total	381	67

Of the 27 pools discovered in 1939, the average pool as of June 1, 1943, consisted of 79 productive wells on 985 acres with a cumulative production of over 2¼ million barrels of oil and a daily average of approximately 1,300 barrels. Devonian production was obtained in one of these 27 pools.

Table 4, pp. 8-9, gives the detailed data for 1939.

TABLE 5.—DEVELOPMENT OF POOLS DISCOVERED IN 1940 TO JUNE 1, 1943

(PRODUCTION IN BBLS.)

Pool: County	No. of wells drilled					Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation	
	1940	1941	1942	1943	Total				Name	Depth (ft.)
1. Woburn Bond	24	3	1	0	28	300	369,000	177	Bethel	1,025
2. Centralia West Clinton	1	5	3	0	9	100	78,000	148	Bethel	1,425
3. Albion Edwards	59	20	2	0	81	900	2,505,000	1,077	McClosky	3,125
4. Mason Effingham	1	7	1	0	9	300	153,000	56	McClosky	2,500
5. Thompsonville Franklin	16	3	0	0	19	300	231,000	59	McClosky	3,150
6. Inman Gallatin	3	1	1	3	8	100	37,000	67	McClosky	2,750
7. Inman East Gallatin	0	39	22	11	72	600	1,237,000	1,982	McClosky	2,925
8. Omaha Gallatin	1	19	1	0	21	260	707,000	538	Tar Springs	1,900
9. Belle Prairie Hamilton	1	1	0	0	2	80	71,000	68	McClosky	3,575
10. Dale-Hoodville Consol. Hamilton	77	215	72	13	377	4,600	13,881,000	10,085	McClosky	3,225
11. Boos North Jasper	10	36	14	2	62	1,100	1,978,000	2,002	McClosky	2,850
12. Hidalgo Jasper	2	0	0	0	2	20	9,000	0	McClosky	2,625
13. Woodlawn Jefferson	1	136	11	11	159	1,350	6,213,000	4,441	Bethel	2,000
14. Raymond Montgomery	2	1	0	0	3	30	3,000	0	Pennsylvanian	600
15. Waggoner Montgomery	4	0	0	0	4	40	5,000	5	Pennsylvanian	625
16. Maud Wabash	9	11	0	0	20	300	316,000	126	McClosky	2,675
17. Mt. Carmel Wabash	6	183	10	5	204	1,500	3,012,000	1,781	McClosky	2,400
18. Lancaster Wabash-Lawrence	28	0	2	1	31	400	508,000	167	McClosky	2,700

19. Irvington	39	35	9	1	84	900	2,552,000	1,561	Devonian		3,150
Washington											
20. McKinley	1	5	0	0	6	80	150,000	89	Devonian		2,275
Wahington											
21. Burnt Prairie	18	2	0	0	20	300	350,000	138	McClosky		3,450
White											
22. Carmi	1	0	1	0	2	80	5,000	11	McClosky		3,175
White											
23. Centerville	3	2	0	0	5	100	170,000	91	McClosky		3,375
White											
24. Herald	3	2	3	1	9	100	61,000	62	Bethel		2,800
White											
25. Iron	46	17	1	0	64	800	2,530,000	881	McClosky		3,150
White											
26. Roland	1	91	49	4	145	2,000	3,528,000	3,304	McClosky		3,025
White, Gallatin											
Total	357	834	203	52	1,446	16,640	40,659,000	28,916			
Average (26 pools)	14	32	8	2	56	640	1,564,000	1,112			

1940

Summary of Wildcat Wells Drilled in 1940

Number of wildcats drilled	501
Number of pools discovered	26
Number of wildcats per discovery	19
Number of wildcats in the sub-Pennsylvanian—Chester area per discovery	16

Deepest Formation Tested by the 475 Dry Wildcats in 1940

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	27	23
Chester (Upper Mississippian) series	97	0
Iowa (Lower Mississippian) series	178	7
Devonian system	70	20
Silurian system	3	4
Ordovician system	9	35
Cambrian system	0	2
	384	91

Of the 26 pools discovered in 1940, the average pool as of June 1, 1943, consisted of 56 productive wells on 640 acres with a cumulative production of more than 1½ million barrels of oil and a daily average of 1,100 barrels. Its oil production is largely from the Mississippian system.

Devonian production was obtained in two of these 26 pools. No "Trenton" production has yet been found in any of them.

Table 5, pp. 10-11, gives the detailed data for 1940.

TABLE 6.—DEVELOPMENT OF POOLS DISCOVERED IN 1941
TO JUNE 1, 1943

(PRODUCTION IN BBLS.)

Pool: County	No. of wells drilled				Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation	
	1941	1942	1943	Total				Name	Depth
1. Clay City West Clay	2	12	0	14	320	910,000	360	McClosky	3,100
2. Sailor Springs Consol. Clay	25	17	11	53	710	822,000	1,244	McClosky	3,050
3. Xenia Clay	1	1	0	2	40	9,300	12	Aux Vases	2,825
4. Boulder Clinton	1	25	6	32	450	637,000	1,803	Devonian	2,675
5. Posey Clinton	2	0	0	2	20	4,000	5	Cypress	1,125
6. Cooks Mills Coles	1	1	0	2	20	4,000	0	Aux Vases	1,850
7. Bone Gap Edwards	4	14	0	18	340	373,000	451	McClosky	3,325
8. Ellery Edwards, Wayne	2	0	0	2	80	26,000	21	McClosky	3,375
9. Mason South Effingham	8	14	10	32	450	282,000	726	McClosky	2,500
10. St. Paul Fayette	2	11	0	13	170	130,000	270	Bethel	1,925
11. Benton Franklin	222	9	2	233	2,100	13,481,000	7,100	Tar Springs	2,150
12. Benton North Franklin	6	5	0	11	220	162,000	264	McClosky	2,800
13. West Frankfort Franklin	1	2	3	6	100	48,000	345	Aux Vases	2,725
14. Inman North Gallatin	2	1	0	3	100	9,000	0	McClosky	3,025
15. Bungay Hamilton	1	0	0	1	20	6,800	9	Aux Vases	3,300
16. Dahlgren Hamilton	42	0	0	42	640	831,400	154	McClosky	3,375
17. Rural Hill Hamilton	95	77	14	186	2,100	6,194,500	5,164	McClosky	3,350
18. Walpole Hamilton	18	15	13	46	900	1,255,000	2,530	Aux Vases	3,100

19.	Elkville Jackson	1	0	0	1	20	1,400	0	Paint Creek	2,025
20.	Ste. Marie Jasper	3	17	0	20	430	382,000	301	McClosky	2,850
21.	Ruark Lawrence	1	0	0	1	10	15,000	10	Buchanan	1,550
22.	St. Francisville East Lawrence	3	6	0	9	90	63,000	101	Bethel	1,775
23.	Carlinville North Macoupin	3	0	0	3	30	500	0	Pennsylvanian	475
24.	Alma Marion	2	1	0	3	30	32,200	29	Rosiclare	2,125
25.	Patoka East Marion	56	0	1	57	570	1,553,000	1,349	Bethel	1,500
26.	Bonpas Richland	1	1	0	2	40	53,300	50	McClosky	3,200
27.	Bonpas West Richland	7	3	0	10	200	89,000	58	McClosky	3,175
28.	Stringtown Richland	3	5	0	8	140	137,300	106	McClosky	3,050
29.	Parkersburg Richland, Edwards	24	12	0	36	900	2,383,512	1,687	McClosky	3,150
30.	Eldorado Saline	2	0	0	2	80	4,800	6	McClosky	2,950
31.	Lakewood Shelby	2	0	0	2	20	19,400	32	Aux Vases	1,750
32.	Patton Wabash	4	0	0	4	40	4,300	5	McClosky	2,325
33.	Geff Wayne	1	14	1	16	400	246,000	884	McClosky	3,200
34.	Johnsonville Wayne	217	30	1	248	3,800	11,695,000	6,636	McClosky	3,150
35.	Mayberry Wayne	2	2	1	5	330	134,0 0	163	McClosky	3,375
36.	Sims Wayne	4	52	1	57	1,650	2,165,000	2,820	McClosky	3,225
37.	Centerville East White	6	30	2	38	600	7?4,000	1,471	McClosky	3,275
38.	Epworth White	4	6	1	11	120	124,0 0	176	Palestine	2,200
39.	Grayville West White	3	0	0	3	60	26,800	26	McClosky	3,275
40.	Maunie White	2	0	0	2	20	15,000	18	Palestine	2,025
41.	Maunie North White	3	2	1	6	170	32,000	92	McClosky	3,100

Pools Discovered in 1941—Continued

Pool: County	No. of wells drilled 1941	1942	1943	Total	Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation: Name	Depth
42. Maunie South	52	17	1	70	700	1,160,000	1,097	McClosky	2,875
White									
43. New Harmony South	4	0	0	4	60	39,000	41	McClosky	3,025
White									
44. New Haven	19	2	0	21	210	337,145	266	McClosky	2,850
White									
Total	864	404	69	1,337	19,500	46,632,000	37,882		
Average (44 pools)	20	0	2	31	445	1,060,000	861		

1941

Summary of Wildcat Wells Drilled in 1941

Number of wildcat wells drilled	549
Number of pools discovered	44
Number of wildcats per discovery	13
Number of wildcats in the sub-Pennsylvanian—Chester area per discovery	11

Deepest Formation Tested by 505 Dry Wildcats in 1941

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	15	10
Chester (Upper Mississippian) series	109	0
Iowa (Lower Mississippian) series	288	15
Devonian system	21	12
Silurian system	0	2
Ordovician system	7	23
Cambrian system	0	3
	440	65

Of the 44 pools discovered in 1941, the average pool as of June 1, 1943, consisted of 31 productive wells on 445 acres with a cumulative production of more than 1,000,000 barrels of oil and a daily average production of 850 barrels. Its oil production was largely from the Mississippian formations.

Devonian production has been obtained in only one of these 44 pools.

Table 6, pp. 12-14, gives the detailed data for 1941.

1942

Summary of Wildcat Wells Drilled in 1942

Number of wildcat wells drilled	491
Number of pools discovered	38
Number of wildcats per discovery	13
Number of wildcats in the sub-Pennsylvanian—Chester area per discovery	12

Deepest Formation Tested by 453 Dry Wildcats in 1942

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	6	8
Chester (Upper Mississippian) series	65	0
Iowa (Lower Mississippian) series	318	7
Devonian system	11	5
Silurian system	0	3
Ordovician system	10	20
Cambrian system	0	0
	410	43

Of the 38 pools discovered in 1942, the average pool as of June 1, 1943, consisted of eight productive wells in 215 acres with a cumulative production of more than 125,000 barrels of oil and a daily average production of 400 barrels. Its oil production is largely from the Mississippian formations.

Devonian production was obtained in one and "Trenton" in one of these 38 pools.

Table 7, pp. 16-17, shows the data, by counties, for 1942.

1943

Summary of Wildcat Wells Drilled in 1943

Number of wildcat wells drilled	143
Number of pools discovered	8
Number of wildcats per discovery	18
Number of wildcats in the sub-Pennsylvanian-Chester area per discovery	17

Deepest Formation Tested by 135 Dry Wildcats in 1943

	In sub-Pennsylvanian-Chester area	Outside sub-Pennsylvanian-Chester area
Pennsylvanian system	4	0
Chester (Upper Mississippian) series	17	0
Iowa (Lower Mississippian) series	85	0
Devonian system	6	3
Silurian system	0	0
Ordovician system	14	6
	126	9

Of the eight pools discovered during the first five months of 1943, the average pool, as of June 1, consisted of two productive wells on 70 acres, with a cumulative production of more than 8,500 barrels and a daily average production of approximately 100 barrels. Its production was largely from the Mississippian system.

Silurian production has been found in one of these eight pools.

Detailed data are given in Table 8, p. 18.

TABLE 7.—DEVELOPMENT OF POOLS DISCOVERED IN 1942 TO JUNE 1, 1943

(PRODUCTION IN BBLS.)

	Pool: County	Wells drilled			Total drilled acreage	Cumulative production	Daily average prod. (est.) May 1943	Deepest producing formation	
		1942	1943	Total				Name	Depth
1.	Beaver Creek: Bond	2	0	2	30	5,300	15	Bethel	1,125
2.	Bible Grove South: Clay	1	0	1	20	12,000	28	Aux Vases	2,750
3.	Ingraham: Clay	1	(Abd.)	1	20	300	0	McClosky	3,150
4.	Kenner: Clay	1	1	2	40	3,000	26	Bethel	2,675
5.	Toliver: Clay	1	0	1	40	4,000	5	McClosky	2,800
6.	Bible Grove: Clay, Effingham	32	28	60	1,500	650,000	2,400	McClosky	2,825
7.	Bartelso South: Clinton	1	1	2	80	4,000	21	Devonian	2,475
8.	New Bellair: Crawford	2	0	2	20	6,500	10	Pennsylvanian	1,200
9.	Albion North: Edwards	1	0	1	20	4,500	14	Aux Vases	3,075
10.	Ellery North: Edwards	1	0	1	40	2,500	8	McClosky	3,425
11.	Samsville: Edwards	1	0	1	10	2,000	10	Waltersburg	2,400
12.	Akin: Franklin	3	3	6	120	65,000	190	Cypress	2,875
13.	Sesser: Franklin	3	0	3	60	25,000	38	Aux Vases	2,725
14.	Valier: Franklin	1	0	1	40	2,000	5	McClosky	2,725
15.	Inman West: Gallatin	5	11	16	200	104,000	580	Weiler	2,500
16.	Blairsville: Hamilton	10	7	17	500	351,000	2,100	McClosky	3,400
17.	Coil West: Jefferson	1	0	1	40	2,500	6	McClosky	2,875
18.	King: Jefferson	5	17	22	480	68,000	435	McClosky	2,825
19.	Markham City: Jefferson	12	5	17	680	402,000	1,499	McClosky	3,075
20.	Kell: Jefferson	1	0	1	40	4,000	10	McClosky	2,625
21.	Plainview: Macoupin	1	0	1	10	1,000	5	Pennsylvanian	400
22.	St. Jacob: Madison	23	2	25	900	466,000	1,280	"Trenton"	2,350
23.	Mt. Olive: Montgomery	1	1	2	10	1,000	6	Pennsylvanian	600
24.	Tamaroa: Perry	3	0	3	30	2,500	0	Cypress	1,150
25.	Amity: Richland	1	0	1	20	1,500	0	McClosky	2,975
26.	Dundas East: Richland, Jasper	11	1	12	480	300,000	1,050	McClosky	3,000
27.	Friendsville: Wabash	7	13	20	200	68,000	350	Bethel	2,500
28.	Dubois West: Washington	1	0	1	10	3,000	7	Bethel	1,350
29.	Cisne North: Wayne	1	1	2	80	5,000	19	McClosky	3,175
30.	Coil: Wayne	14	1	15	360	415,000	1,089	McClosky	2,975

31.	Covington: Wayne	32	4	36	1,000	1,572,000	2,863	McClosky	3,250
32.	Fairfield: Wayne	1	0	1	20	3,000	9	Aux Vases	3,250
33.	Geff West: Wayne	3	0	3	60	22,000	59	Aux Vases	3,150
34.	Johnsonville South: Wayne	2	1	3	90	9,000	55	McClosky	3,225
35.	Johnsonville West: Wayne	1	(Abd.)	1	40	1,000	0	McClosky	3,125
36.	Sims North: Wayne	7	14	21	700	202,000	958	McClosky	3,200
37.	Carmi North: White	3	0	3	60	33,000	78	Aux Vases	3,250
38.	Concord: White	1	0	1	20	9,500	0	Aux Vases	2,925
	Total	198	111	309	8,070	4,832,000	15,228		
	Average (38 pools)	5	3	8	215	127,160	400		

TABLE 8.—DEVELOPMENT OF POOLS DISCOVERED IN 1943 TO JUNE 1

(PRODUCTION IN BBLS.)

Pool: County	Wells drilled Jan.-June 1 1943	Total drilled acreage	Initial Prod. of discovery well	Daily average prod. (est.) May	Cumulative prod.	Deepest producing formation	
						Name	Depth
1. Mt. Auburn: Christian	1	40	22	12	1,000	Silurian	1,900
2. Bennington: Edwards, Wayne	2	80	129	73	6,500	McClosky	3,175
3. West Frankfort South: Franklin	2	80	182	167	12,000	Levias	2,800
4. Belle Rive: Jefferson	4	160	366	225	28,000	McClosky	3,075
5. Waltonville: Jefferson	1	10	38	30	1,000	Bethel	2,475
6. Beman: Lawrence	1	40	8	7	1,000	McClosky	1,850
7. Covington South: Wayne	1	40	223	40	10,000	McClosky	3,325
8. Calvin North: White	5	100	70	300	9,000	Bethel	2,825
Total	17	550	1,038	854	68,500		
Average (8 pools)	2	70	130	107	8,600		

TABLE 9.—NUMBER OF WILDCAT WELLS DRILLED AND POOLS DISCOVERED 1937 TO JUNE 1943

Year	No. wildcats	No. wildcats in sub-Pennsylvanian—Chester area	No. pools discovered	No. wildcats per discovery	No. wildcats in sub-Pennsylvanian—Chester area per discovery
1937	113	105	9	12	11
1938	374	322	15	25	21
1939	475	408	27	18	15
1940	501	410	26	19	16
1941	549	484	44	13	11
1942	491	448	38	13	12
June 1 1943	143	134	8	18	17
Total	2646	2311	167	(Av.) 16	(Av.) 14

WILDCAT DRILLING EFFORT

Table 9 shows the number of wildcat wells and the number of pools they discovered in Illinois from 1937 to 1943 (June 1).

The deepest formation tested by the dry wildcats drilled in Illinois since 1937 is shown in table 10, p. 20.

RESULTS OF THE WILDCAT DRILLING

The results of wildcat drilling in Illinois since 1937 as of June 1, 1943 are shown by the summary in table 11, p. 20.

COMPARISON OF YEARLY RESULTS

The comparison of the pools found each year is based upon the fact that there is relatively little lag in the drilling-up of pools in which wells of high initial productions of oil are found. The rate of drilling-up of new pools therefore may be taken as a fairly good index of the size and productivity of the areas which are being drilled up. The table below and the graph (fig. 2) accompanying it show the average number of productive wells added each calendar year to the pools discovered in each of the years 1937 to 1943 and, for comparison, the average number of productive wells (similarly obtained) for the six-year period 1937-1942. The five month period of 1943 is omitted from the graphs for obvious reasons.

The graphs (fig. 2) based on the data in table 12 show that the discoveries of the years 1937, 1938, and 1939 compare favorably with the 1937-1942 average, whereas for those of the years 1940 and 1941 the drilling dropped rather steeply in their third and second years respectively. According to these data, therefore, the average size and productivity of the pools discovered in each of the years 1937 and 1938 would appear to be better than similar averages for the pools discovered during each of the years 1939, 1940, and 1941. The comparatively small development of the pools discovered in 1942 indicate that these pools belong in the latter group (1939-1941).

These conclusions are also borne out by table 11 which shows that the year 1941 (which had 44 discoveries) still had, as of June 1, 1943, 22 pools containing less than 10 wells each. It is reasonable to assume that the productivity of these 22 pools thus far has not been enough to stimulate their rapid development. This would appear to be contradicted by the cumulative production and daily average figures in table 11, but referring to the rate of drilling (table 12), we find that 1941 is the first instance in which the pools discovered in any one year received their maximum drilling during their first calendar year. The period of maximum drilling for the 1937-1942 average pool is the second and third years (table 12 and fig. 2). The

TABLE 10—SUMMARY OF DEEPEST FORMATIONS TESTED BY DRY WILDCATS

Formation	In sub-Pennsylvanian—Chester area								Outside sub-Pennsylvanian—Chester area							
	1937	1938	1939	1940	1941	1942	1943[a]	Total	1937	1938	1939	1940	1941	1942	1943[a]	Total
Pennsylvanian system	6	15	25	27	15	6	4	98	1	8	7	23	10	8	0	57
Chester (Upper Miss.) series	22	95	80	97	109	65	17	485	0	0	0	0	0	0	0	0
Iowa (Lower Miss.) series	54	180	227	178	288	318	85	1330	0	13	7	7	15	7	0	49
Devonian system	7	9	37	70	21	11	6	161	0	16	21	20	12	5	3	77
Silurian system	1	0	3	3	0	0	0	7	0	1	0	4	2	3	0	10
Ordovician system	6	8	9	9	7	10	14	63	4	14	31	35	23	20	6	133
Cambrian system	0	0	0	0	0	0	0	0	2	0	1	2	3	0	0	8
Pre-Cambrian	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	96	307	381	384	440	410	126	2144	8	52	67	91	65	43	9	335

a To June 1.

TABLE 11.—SUMMARY OF POOLS DISCOVERED 1937-43 (AS OF JUNE 1, 1943)

Year	Sub-Penn.—Chester wildcats	No. pools discovered	No. wells drilled	Drilled acreage	Cumulative production	Daily average production May 1943	No. Pools having		
							Less than 10 wells	10 to 100 wells	More than 100 wells
1937	105	9	4,184	45,340	168,111,000	59,825	1	3	5
1938	322	15	2,964	17,530	189,210,000	37,828	5	7	3
1939	408	27	2,143	26,600	60,196,000	35,493	10	11	6
1940	410	26	1,446	16,640	40,659,000	28,916	11	11	4
1941	484	44	1,337	19,500	46,632,000	37,882	22	19	3
1942	448	38	309	8,070	4,832,000	15,228	27	11	0
(June 1) 1943	134	8	17	550	68,500	854	8	0	0
Total	2,311	167	12,400	134,230	509,708,500	216,026	84	62	21

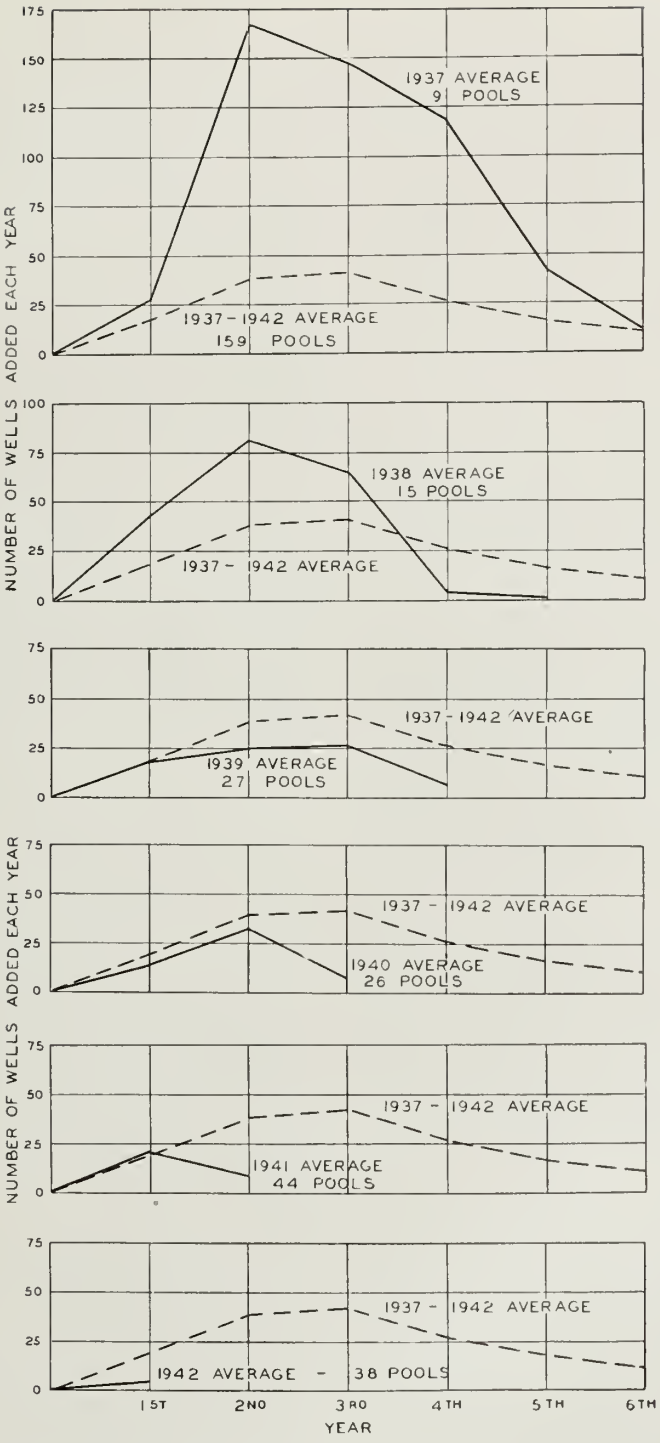

FIG. 2.—The rate of drilling in the average pool discovered during each of the years 1937 to 1942 compared with that of the 1937-1942 average pool.

TABLE 12.—AVERAGE NUMBER PRODUCTIVE WELLS ADDED PER POOL DURING SUCCESSIVE YEARS

Year	No. of pools discovered	Number of wells drilled each calendar year after discovery						
		1st	2nd	3rd	4th	5th	6th	7th
1937	9	28	167	147	118	42	11	3[a]
1938	15	43	82	65	4	2	1[a]	
1939	27	18	25	26	7	3[a]		
1940	26	14	32	8	2[a]			
1941	44	20	9	2[a]				
1942	38	5	3[a]					
1943[a]	8	2[a]						
Yearly average 1937-1942		18	38	42	26	17	11	..

[a] To June 1, 1943.

graphs and the table may provide a basis for evaluating the average yearly discoveries of any year since 1937.

RECOMMENDATIONS

This study has served to show that at the present time the trend in wildcat drilling in Illinois is toward finding relatively small pools. Many of the pools discovered in the last few years may be extended, but it does not appear that the present production of slightly more than 200,000 barrels of oil daily can be long maintained by the present rate of finding new oil.

Aside from the finding of new pools, there appear to be at least three ways in which the production rate may be raised: (1) By investigation of the many pools of less than 10 wells in order to extend those where geological conditions are favorable; (2) by discovering oil in deeper pays; and (3) by applying secondary recovery methods.

(1) Pools of Less Than 10 Wells

As the tables show, there are at present 84 pools that have less than 10 wells each. Most of these pools have been relegated to insignificance by the small size of their initial productions. These pools should be investigated in an attempt to determine the geological reason for their small production. This study should be carried forward on the most promising pools first. It should attempt to learn if the small production is due primarily to structural or to stratigraphic causes or both, and how these structural and stratigraphic problems are related to the regional geology. It is possible that studies of this sort might reveal the source of new oil of the stratigraphic or structural trap type in adjoining or nearby areas.

(2) Deeper Production Possibilities

Wildcatting.—The table of dry wildcats drilled since 1937 shows that only 231 (11 percent) of the 2,144 wells drilled in the sub-Pennsylvanian—Chester area penetrated formations lower than those of the Mississippian. This sub-Pennsylvanian—Chester area covers more than 15,000 square miles, and disregarding sub-Mississippian tests made in pools or made prior to 1937, this ratio of 231 to 15,000 square miles would be one test to every 70 square miles. Deeper wildcatting remains to be done.

In pools.—The tables for pools discovered each year since 1937 show that Devonian production has been found in nine, Silurian in one, and "Trenton" in three of the 166 oil pools. At least one test deeper than Mississippian has been made in 30 of these 166 pools. The pools remaining to be tested for deeper possibilities number 136, of which possibly half may offer good prospects.

(3) Secondary Recovery

Inspection of the daily average productions of the pools (see tables 2-8) shows that many of them are approaching the period of "stripper well" production. These pools should be investigated now to determine the most suitable methods of secondary recovery applicable to them. In this connection it should be noted that many data for preliminary studies of these pools are available at the Illinois Geological Survey, where there are on file more than 37,000 drillers' logs and sample studies, 5,000 electric logs, and more than 1,400 described and readily available cores.

Conclusions

The above data indicate that additional oil possibilities of unknown extent remain to be explored by the oil industry in Illinois. These are summarized below.

(1) Additional pools in the sub-Pennsylvanian—Chester area, many of which will probably be somewhat below average size. The table of dry wildcats drilled since 1937 shows that in this area of about 15,000 square miles, one well testing the Lower Mississippian possibilities has been drilled to approximately 10 square miles. If the wildcats drilled prior to 1937 are also included, the area remaining to be tested is still fairly large. These new areas may find new Pennsylvanian, Devonian, and "Trenton" production. The Gallatin-White-Wabash county area, for instance, may provide additional Pennsylvanian oil, and pools similar to the St. Jacob pool, Madison County, may provide additional "Trenton" oil.

(2) Search for additional pools in areas outside of the sub-Pennsylvanian—Chester area, especially in the vicinity of certain isolated pools like the Colmar-Plymouth pool, Hancock and McDonough counties, and the Dupo and Waterloo pools, St. Clair and Monroe counties respectively.

(3) Additional producing zones in existing pools.

(4) Additional production from areas associated with the many pools that contain less than 10 producing wells.

(5) Secondary recovery investigations.

TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
1	Adams	26	2 S	8 W	675	St. Peter	Ohio Oil—G. Fingerlin 1
2	Adams	35	1 S	6 W	987	"Trenton"	A. L. Williams—Pieper 1
3	Alexander	4	15 S	3 W	609	"Trenton"	Whitebread & Kippings—R. W. Menton 1
4	Bond	22	5 N	4 W	593	Pottsville	K. Woolsey—File 1
5	Bond	8	6 N	4 W	2051	Devonian	E. J. Hubbert et al—Shideler 1
6	Bond	31	7 N	4 W	2025	Devonian	Downing & George—Sorento Bank 1
7	Bond	4	5 N	2 W	1250	St. Louis	Shell oil—State Bank of Hoiles & Sons 1
8	Bond	30	4 N	2 W	1320	Ste. Genevieve	W. C. McBride—R. V. Follett 1
9	Bond	31	4 N	2 W	2526	Devonian	W. C. McBride—V. Jacobs 1
10	Bond	24	4 N	3 W	1120	Bethel	H. A. Hoffman—Wilson 1
11	Bond	34	6 N	2 W	1118	Bethel	Mark Twain Oil—V. E. Story 1
12	Bond	9	4 N	3 W	1160	Ste. Genevieve	K. W. Kilpatrick—Kagey 1
13	Bond	30	4 N	2 W	1240	Ste. Genevieve	W. C. McBride—A. M. Keith 1
14	Champaign	1	22 N	7 E	300	Silurian	R. F. G. Drlg. Co.—Reynolds 2
15	Champaign	20	20 N	8 E	2054	St. Peter	Barber et al—Lindsey 1
16	Christian	15	13 N	1 E	1275	Bethel	R. Brians—O. Dorr 1
17	Christian	28	11 N	1 E	1722	Ste. Genevieve	R. Lee Trustee—Nichols 1
18	Clark	20	12 N	14 W	730	Ste. Genevieve	A. M. Myers—E. Fudge 1
19	Clark	32	9 N	14 W	2691	Devonian	C. R. Craft—W. Finney 1
20	Clark	7	10 N	11 W	2623	Devonian	Craft et al—Imle 1
21	Clark	32	9 N	14 W	1563	Salem	W. Wright—Finney 1
22	Clay	27	3 N	5 E	3082	Ste. Genevieve	A. L. Stewart et al—Walker Heirs 1
23	Clay	11	3 N	7 E	2958	McClosky	J. H. Jones—Neely 1
24	Clay	18	3 N	7 E	3061	Ste. Genevieve	Rumley & Heiss—Chaney Bros. 1
25	Clay	8	4 N	8 E	3150	St. Louis	Sinclair-Wyoming Oil—F. Stanley 1
26	Clay	8	5 N	7 E	2825	McClosky	Cameron Bros.—E. H. Landwehr 1
27	Clay	2	2 N	7 E	3112	Ste. Genevieve	J. Sanders et al—J. Bissey 1
28	Clay	9	3 N	6 E	3142	St. Louis	L. B. Cupps—D. Frost 1
29	Clay	24	3 N	6 E	3107	Ste. Genevieve	Shaffer & Toler—J. B. Large 1
30	Clay	21	4 N	8 E	3170	St. Louis	Gulf Refining—Levitt 1
31	Clay	5	5 N	6 E	2751	Ste. Genevieve	B. F. Williams—Witte 1
32	Clay	1	2 N	6 E	3192	Ste. Genevieve	A. H. Gibson—Valbert 1
33	Clay	30	3 N	6 E	2715	Bethel	L. & W. Drilling—Sanders-Thompson 1
34	Clay	35	5 N	6 E	2924	Ste. Genevieve	Eason Oil—A. Miller 1
35	Clay	3	5 N	7 E	2927	Ste. Genevieve	Pure Oil—G. Greenlaw 1
36	Clay	5	5 N	7 E	2837	McClosky	Illinois Producers—Voith 1
37	Clay	15	5 N	7 E	2925	Ste. Genevieve	C. Pearson—Murvin 1
38	Clay	4	2 N	5 E	3097	St. Louis	Carter Oil—I. Walker 1
39	Clay	33	3 N	7 E	3088	Ste. Genevieve	J. R. Benson et al—Minnick 1
40	Clay	10	4 N	8 E	3139	McClosky	National Petroleum—Hinterscher 1
41	Clay	11	5 N	7 E	3005	St. Louis	Ohio Oil—C. Maseher 1
42	Clay	32	5 N	7 E	2996	Ste. Genevieve	Lane & Thorp—Monieal Community 1
43	Clay	25	3 N	5 E	2976	Ste. Genevieve	Lain Oil & Gas—Haynes-McConnell 1
44	Clay	25	3 N	7 E	3185	Ste. Genevieve	Pure—M. S. Welsh 1
45	Clay	3	4 N	8 E	3129	St. Louis	National Petroleum Co.—Veronica-Iffert 1
46	Clay	15	4 N	8 E	3150	Ste. Genevieve	Delta Prod. Co.—H. Muhs 1
47	Clay	8	4 N	6 E	2848	Fredonia	Mid-Sun Oil Corp.—G. Davis 1
48	Clay	20	5 N	7 E	2929	McClosky	Kingwood et al—J. E. Essen 1
49	Clay	12	2 N	5 E	3113	St. Louis	Sinclair—Rose 1
50	Clay	3	5 N	5 E	2544	Ste. Genevieve	Texas—V. C. Wright 1
51	Clay	35	5 N	6 E	2887	McClosky	Big Chief—R. Barbee 1
52	Clay	10	3 N	7 E	2605	Weiler	W. C. McBride—W. F. Moench 1
53	Clay	26	4 N	6 E	3110	St. Louis	Gulf—McCollum 1
54	Clay	23	5 N	5 E	2342	Aux Vases	National Refining—J. Smith 1
55	Clay	9	4 N	8 E	3115	Ste. Genevieve	National Refining—G. LaRue 1
56	Clay	15	5 N	5 E	2306	Bethel	H. Luttrell—Reed Heirs 1
57	Clay	8	2 N	5 E	3071	St. Louis	Delk Investment—A. L. Newman 1
58	Clay	25	3 N	5 E	2970	Ste. Genevieve	K. M. Bayer—M. A. Allison 1
59	Clay	23	3 N	6 E	3074	McClosky	Kingwood Oil—A. E. Gatewood 1
60	Clay	10	5 N	5 E	2588	Ste. Genevieve	Texas—I. J. Rush 1
61	Clay	27	5 N	7 E	2970	Ste. Genevieve	H. Blackett—Harmon 1
62	Clinton	6	1 N	2 W	1282	Bethel	F. A. McNeil et al—F. Vogel 1
63	Clinton	28	3 N	2 W	1345	Rosiclare	J. R. Audersou—L. Seiffert 1
64	Clinton	13	3 N	3 W	1143	Bethel	Newton & Ward—V. E. Schaefer 1
65	Clinton	6	1 S	5 W	1002	Ste. Genevieve	D. M. Halley—Walthes 1

Footnotes on pp. 40, 41.

DRILLED IN 1942

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
Dry		3-3-42				
Dry		10-6-42				
Dry		10-6-42				
Dry		1-13-42		P		
Dry		2-24-42				
Dry		3-24-42				
Dry		4-14-42				B
Dry		6-30-42				
24 + 28	Beaver Creek	6-23-42		Ha	B	D
1.5[2]		6-23-42				
Dry		6-9-42				
Dry		1-5-43				
Dry		12-8-42				
Dry		7-7-42				
Dry		11-10-42				
Dry		6-30-42				
Dry		11-22-42				Pe
Dry		4-21-42				
Dry		6-23-42	Sa			
Dry		6-23-42				
Dry		9-8-42				
Dry		1-6-42				
508	Sailor Springs South[3]	6-2-42				
Dry		2-17-42				
Dry		3-24-42		A		
695	Bible Grove	3-24-42				
Dry		4-28-42				
Dry		4-21-42				R
Dry		4-14-42				
Dry		4-14-42				T, C, B
Dry		4-14-42				
Dry		5-19-42				
25 + 20	Kenner	5-26-42				
Dry		5-12-42				B
Dry		5-19-42				
66	Bible Grove[3]	6-2-42				
Dry		5-26-42				C
Dry		6-23-42				
Dry		6-9-42				
5 + 28	Ingraham[3]	6-23-42				
Dry		6-30-42				
Dry		6-16-42				
Dry		8-4-42	A			
Dry		8-4-42				
Dry		7-28-42				B
Dry		7-14-42				
Dry		8-18-42				
64 + 6	Bible Grove South	9-1-42	M	A		
Dry		9-8-42				
Dry		9-15-42				
216	Toliver	9-15-42				
71 + 3½	Sailor Springs[3]	10-13-42				
Dry		10-13-42				M
Dry		10-27-42				
Dry		11-10-42				
82	Iola[3]	11-24-42				
Dry		1-5-43				
Dry		12-8-42				
205 + 9	Flora[3]	1-5-43			M	
Dry		1-5-43				
Dry		1-5-43				
Dry		1-27-42				
Dry		1-20-42				
Dry		1-6-42				
Dry		1-27-42				

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TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
66	Clinton	6	3 N	2 W	1258	Ste. Genevieve	J. Darnell—E. Laux 1
67	Clinton	22	1 N	5 W	1300	Salem	Holmann & Denson et al—H. Kolmar 1
68	Clinton	6	3 N	2 W	1166	Cypress	J. Darnell—J. Gordon 1
69	Clinton	22	3 N	2 W	1454	Ste. Genevieve	T. M. Conrey—Riddle 1
70	Clinton	8	2 N	1 W	1715	St. Louis	Texas—A. Conrad 1
71	Clinton	19	2 N	1 W	2970	Devonian	Texas—C. Zimmerman 1
72	Clinton	33	2 N	1 W	1510	Aux Vases	A. W. Gerson et al—Keister 1
73	Clinton	11	2 N	5 W	1294	Bethel	Smoky Oil—G. Hord 1
74	Clinton	21	3 N	3 W	1176	Aux Vases	W. Murphy—Farmers Bank, Carlyle 1
75	Clinton	21	2 N	1 W	1454	Bethel	W. D. Shedden et al—Kleihoker 1
76	Clinton	23	2 N	5 W	3044	"Trenton"	E. J. Ruwaldt—Twiss 1
77	Clinton	16	3 N	3 W	984	Cypress	M. L. Dorsey—Murphy 1
78	Clinton	31	3 N	2 W	1390	Ste. Genevieve	Wiser Oil—Mahlandt Heirs 1
79	Clinton	29	2 N	4 W	3250	"Trenton"	Olson Oil—H. B. Alberternst 1
80	Clinton	32	3 N	3 W	1054	Bethel	W. B. Lagers—Rudolph 1
81	Clinton	33	2 N	2 W	1526	St. Louis	B. S. Gardenhire—Jantzen 1
82	Clinton	33	3 N	1 W	2953	Devonian	Gulf—E. Martin 1
83	Clinton	20	1 N	3 W	2478	Devonian	J. F. Ashoff—Huelsmann 1
84	Coles	9	12 N	14 W	2586	"Trenton"	C. E. Green ' P. Link 1
85	Coles	3	13 N	7 E	1856	Bethel	E. C. Baker et al—Cox 1
86	Coles	34	14 N	7 E	1872	Aux Vases	E. C. Baker et al—Moore 1
87	Coles	35	14 N	7 E	1951	Ste. Genevieve	F. D. Walker—Walker et al 1
88	Coles	36	14 N	7 E	1853	Ste. Genevieve	F. D. Walker et al—Sutton 1
89	Coles	26	14 N	9 E	1054	Devonian	W. L. Topf—T. D. Basler 1
90	Coles	36	14 N	7 E	1900	Ste. Genevieve	B. F. Williams et al—H. P. Browne 1
91	Coles	20	14 N	10 E	515	Ste. Genevieve	W. L. Topf—Kinsel Heirs 1
92	Crawford	9	6 N	13 W	1685	Ste. Genevieve	Kemp & Dailey—Lewis et al 1
93	Crawford	19	8 N	13 W	1380	Pennsylvanian	W. Krohn—E. Wiman 1
94	Crawford	20	8 N	13 W	1259	Pennsylvanian	Lain Oil & Gas—Ferrebee 1
95	Crawford	20	8 N	13 W	1080	Pennsylvanian	R. Powers—Hart 1
96	Crawford	23	5 N	14 W	2853	Ste. Genevieve	E. L. Hicks—Cotrell Community 1
97	Crawford	8	8 N	13 W	1260	Pennsylvanian	Curtis Oil—J. A. Lingafelter 1
98	Crawford	26	8 N	13 W	2842	Devonian	G. Moulton—Lamh Unit 1
99	Crawford	20	5 N	13 W	2555	Ste. Genevieve	Rush & Meredith—A. J. Mushrush 1
100	Cumberland	31	10 N	11 E	1050	L. Mississippian	A. Leatherman—Shores 1
101	Cumberland	16	9 N	8 E	2700	Ste. Genevieve	Falcon-Seaboard et al—Naumann 1
102	Cumberland	4	10 N	9 E	2491	L. Mississippian	M. Ritchie—C. N. Greeson 1
103	Cumberland	12	9 N	7 E	2530	Ste. Genevieve	Falcon-Seaboard Oil—M. McClain 1
104	Edgar	14	13 N	14 W	1228	Devonian	D. Russell—Whiteside 1
105	Edgar	12	15 N	14 W	929	Devonian	Olson Oil—Morrow 1
106	Edgar	34	13 N	13 W	859	Salem	F. L. Clapp—Fee 1
107	Edwards	13	1 N	10 E	3302	Ste. Genevieve	A. F. Dye—W. S. Tull et al 1
108	Edwards	31	1 N	11 E	2437	Waltersburg	K. M. Menefee—McDowell 2
109	Edwards	30	1 S	11 E	3261	Aux Vases	Taylor Drilling—Odle 1
110	Edwards	7	2 S	14 W	3177	Ste. Genevieve	Superior Oil—P. Huber 1
111	Edwards	27	1 N	10 E	3379	Ste. Genevieve	Zephyr Drilling—H. Shelby 1
112	Edwards	7	1 S	14 W	3329	Ste. Genevieve	Adkins—Hessler 1
113	Edwards	19	2 S	10 E	3393	St. Louis	Sun Oil—R. J. McKibben 1
114	Edwards	6	1 S	11 E	3261	McClosky	C. F. Steele—C. Couch 1
115	Edwards	2	3 S	10 E	1972	Biehl	S. C. Yingling—M. Perkius 1
116	Edwards	35	1 N	10 E	3367	St. Louis	Deep Rock Oil Co.—Madden 1
117	Edwards	31	1 N	14 W	3204	McClosky	Central Pipe Line—D. C. Stanninger 1
118	Edwards	18	2 S	14 W	3175	Ste. Genevieve	C. J. Westhind—J. B. Roosevelt 1
119	Edwards	8	3 S	10 E	3410	St. Louis	Sinclair-Wyoming—H. Perkins 1
120	Edwards	30	1 N	11 E	3310	Ste. Genevieve	Jablonski et al—Bristow 1
121	Edwards	7	2 S	10 E	3496	McClosky	Stanolind Oil & Gas—Broster 1
122	Edwards	18	2 S	10 E	3475	Ste. Genevieve	Ohio—C. P. Harris 1
123	Effingham	11	8 N	6 E	2880	Salem	Gulf Refining—Kralman 1
124	Effingham	35	8 N	6 E	2587	St. Louis	Smith & Hebert—C. Kroeger 1
125	Effingham	28	9 N	6 E	2466	Ste. Genevieve	R. Powers et al—Lohman 1
126	Effingham	10	6 N	5 E	2544	St. Louis	A. H. Gibson—Campbell 1
127	Effingham	11	6 N	5 E	2530	Ste. Genevieve	Luttrell et al—Keller-Krohn 1
128	Effingham	1	7 N	5 E	2630	Ste. Genevieve	Ohio Oil—C. Vogt 1
129	Effingham	17	7 N	7 E	2746	Ste. Genevieve	W. A. Rehfield—Biermau 1
130	Effingham	3	8 N	7 E	2614	Ste. Genevieve	N. V. Duncan—A. J. Thoele 1

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DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
Dry		3-3-42				
Dry		3-24-42				
Dry		4-7-42				
Dry		6-30-42				
Dry		7-28-42				
Dry		8-4-42				
Dry		8-4-42				
Dry		8-4-42				
Dry		7-21-42				
Dry		8-25-42	B	C		
Dry		8-25-42				
Dry		8-25-42				
Dry		10-6-42				
Dry		12-1-42	D			
Dry		11-10-42				
Dry		12-22-42				
Dry		12-22-42	D			C, B
100	Bartelso South	12-8-42				
Dry		3-10-42				
Dry		7-28-42				
10	Cooks Mills[5]	7-21-42				
Dry		8-11-42				
Dry		8-25-42		M		
Dry		8-25-42				
Dry		9-15-42				
Dry		11-24-42				
Dry		3-31-42				
55 + 75	New Bellair	3-10-42			P	
Dry		3-31-42				
Dry		3-10-42				
Dry		4-28-42				
Dry		6-2-42				
Dry		9-8-42				
Dry		1-5-43				
Dry		4-28-42				
Dry		5-26-42				
Dry		11-24-42				
Dry		12-22-42				
Dry		8-25-42				
Dry		9-22-42				D
Dry		10-27-42				
Dry		2-3-42				
20 + 100	Samsville[5]	1-20-42			W	
19	Albion North	3-31-42				
Dry		3-31-42	B, A, R			
Dry		4-21-42	M			
Dry		4-7-42	B			
Dry		6-2-42	A			R
10 + 75	Bone Gap[3]	6-9-42				W
Dry		6-9-42				
Dry		7-7-42				
Dry		8-18-42				
Dry		8-25-42				
Dry		8-11-42				
Dry		10-13-42				
35 + 70	Ellery North	11-10-42			M	
Dry		1-5-43				
Dry		1-6-42	M			
Dry		3-17-42	R			M
Dry		4-14-42				
Dry		6-23-42	A			
Dry		6-9-42	M			
Dry		6-23-42	R?			
Dry		6-9-42	M			
Dry		6-30-42				M

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TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
131	Effingham	34	6 N	5 E	2309	Bethel	Luttrell et al—E. See Trust 1
132	Effingham	21	6 N	7 E	3032	St. Louis	Kingwood—G. Wendte 1
133	Effingham	6	7 N	4 E	1853	Aux Vases	Standard Drilling Co.—Ehlers 1
134	Effingham	16	7 N	5 E	2333	McClosky	Reward Oil—Zimmerman 1
135	Effingham	12	6 N	4 E	2460	St. Louis	Papoose Oil Yingst 1
136	Effingham	2	6 N	5 E	2523	Ste. Genevieve	A. H. Gibson—Brunner 1
137	Effingham	23	9 N	5 E	2242	Ste. Genevieve	Standard Drilling—Dunterman 1
138	Fayette	20	5 N	2 E	2028	Aux Vases	Ryan Oil et al—G. Torbeek 1
139	Fayette	13	6 N	3 E	2238	Ste. Genevieve	Nation Oil—J. C. Reese 1
140	Fayette	6	6 N	2 E	1921	Aux Vases	Turner Drilling—Willms 1
141	Fayette	1	8 N	1 W	1786	St. Louis	Illinois Exploration—L. E. Stokes 1
142	Fayette	11	5 N	1 W	1625	St. Louis	Gulf Refining—R. M. Bingaman 1
143	Fayette	31	4 N	1 W	1630	St. Louis	Sinclair-Wyoming—Job Murray 1
144	Fayette	25	9 N	3 E	1737	Aux Vases	Troop & Larson—R. Larimore 1
145	Fayette	17	5 N	4 E	2504	Ste. Genevieve	Illinois Exploration—L. F. Michel 1
146	Fayette	4	6 N	1 W	1420	Bethel	C. H. Harrison—J. A. Branum 1
147	Fayette	28	6 N	2 E	2115	St. Louis	F. Doran et al—Bush 1
148	Fayette	25	9 N	3 E	1588	Bethel	Troop & Larsen—R. Larimore 2
149	Fayette	23	4 N	1 W	1453	Bethel	George & Downing—A. Jarrett 1
150	Franklin	2	5 S	2 E	2937	Ste. Genevieve	O'Meara—Franklin County Coal 1
151	Franklin	30	6 S	2 E	2836	St. Louis	Basin Drilling et al—Duhamel 1
152	Franklin	23	5 S	4 E	3395	St. Louis	Gulf Refining—S. Malin 1
153	Franklin	26	6 S	1 E	2836	Ste. Genevieve	Wright—Snider 1
154	Franklin	1	6 S	1 E	2860	Ste. Genevieve	J. W. Menhall—Valier Coal 1
155	Franklin	14	6 S	4 E	2860	Cypress	Seaboard Oil—U. S. Coal & Coke 1
156	Franklin	19	5 S	2 E	2716	Aux Vases	I. W. Taylor—Old Ben Coal 1
157	Franklin	30	5 S	3 E	3091	St. Louis	Graddy & Daniel—J. Piekens 1
158	Franklin	4	6 S	2 E	2940	St. Louis	E. S. Adkins—Old Ben Coal "O" 1
159	Franklin	7	6 S	2 E	2725	McClosky	Menhall—Valier Coal 2
160	Franklin	1	7 S	4 E	3457	Ste. Genevieve	W. F. Catlett—Franklin County Mining 1
161	Franklin	25	5 S	1 E	2882	Aux Vases	J. W. Menhall—Old Ben Coal 1
162	Franklin	20	5 S	2 E	2715	Aux Vases	J. Darnell—Old Ben Coal 1
163	Franklin	22	7 S	1 E	2820	Ste. Genevieve	Oil Carriers—Franklin County Coal 2
164	Franklin	34	7 S	3 E	3189	St. Louis	E. S. Adkins—L. Morey "M" 1
165	Franklin	29	5 S	3 E	3127	St. Louis	W. C. McBride—V. L. Jones 1
166	Franklin	31	7 S	2 E	2058	Tar Springs	Smokey & Eason Oil Co.—Franklin Co. Coal 1
167	Franklin	30	7 S	4 E	3276	St. Louis	Seaboard Oil Co.—Old Ben Coal 1
168	Franklin	1	5 S	1 E	2755	Aux Vases	Kerns & Shaw—McLaughlin 1
169	Franklin	14	5 S	1 E	2940	McClosky	W. C. McBride—C. Mower 1
170	Franklin	24	5 S	1 E	2779	Ste. Genevieve	Sun Oil—Old Ben Coal 2
171	Franklin	6	5 S	2 E	2925	McClosky	E. S. Adkins—F. Van Hoorebeke "R" 1
172	Franklin	36	7 S	1 E	2776	McClosky	Bell & Zoller Coal—Zeigler Coal 2
173	Franklin	1	7 S	2 E	2114	Tar Springs	H. H. Wegener—C. W. & F. Coal 1-L
174	Franklin	12	7 S	2 E	2975	Aux Vases	E. S. Adkins—Orient "B" 4
175	Franklin	35	7 S	2 E	2975	McClosky	E. S. Adkins—Country Club "P" 1
176	Franklin	2	7 S	4 E	3288	Fredonia	W. F. Catlett—Franklin County Coal 2
177	Franklin	26	5 S	1 E	2857	Ste. Genevieve	E. S. Adkins—M. F. Harrison "S" 1
178	Franklin	32	6 S	1 E	2912	Ste. Genevieve	Thompson & Vetsch—J. L. Davis 1
179	Franklin	31	7 S	3 E	2984	Ste. Genevieve	E. S. Adkins—Boner Heirs 1
180	Franklin	18	5 S	4 E	2512	Glen Dean	National Petroleum—Geo. Anderson 1
181	Franklin	23	6 S	4 E	3270	Ste. Genevieve	Seaboard Oil—U. S. Coal & Coke 5
182	Franklin	25	7 S	2 E	2138	Tar Springs	E. S. Adkins—Brown Estate 1
183	Franklin	18	5 S	2 E	2754	Aux Vases	E. Eslick—Hutson-Jones 1
184	Franklin	18	7 S	3 E	2055	Tar Springs	E. S. Adkins—Peabody Coal 1
185	Fulton	28	4 N	2 E	1165	"Trenton"	Lagers & Webb—Clear 1
186	Fulton	19	5 N	4 E	1110	"Trenton"	Bowton Test—P. J. McNally 1
187	Gallatin	8	9 S	10 E	2903	Ste. Genevieve	Jarvis Bros.—Drone 1
188	Gallatin	15	8 S	9 E	2493	Weiler	B. Martin—Behl 1
189	Gallatin	15	8 S	9 E	2547	Weiler	Gulf Refining—C. Moye 1
190	Gallatin	24	10 S	9 E	2037	Palestine	D. A. Murrelle—E. Fitzgibbons 1
191	Gallatin	23	7 S	8 E	3085	St. Louis	Carter—G. Brockett 1
192	Gallatin	24	7 S	8 E	3083	Ste. Genevieve	Sinclair-Wyoming—I. N. Cox 1
193	Gallatin	33	7 S	9 E	3150	Ste. Genevieve	Murphy Oil et al—Spence 1
194	Gallatin	11	8 S	10 E	2091	Tar Springs	Carter—J. L. Crawford 1
195	Gallatin	28	8 S	10 E	2788	Aux Vases	Sohio Prod. Co.—Natural Resources, Inc. 1

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DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
84 + 74	Mason South[3]	7-14-42				
Dry		8-4-42				
Dry		7-21-42				
Dry		8-11-42	A			B, M
Dry		10-6-42	A			
Dry		10-6-42				
Dry		11-3-42				
Dry		1-6-42				
Dry		2-24-42				
Dry		4-21-42				
Dry		4-7-42				
Dry		5-26-42				C, B
Dry		6-23-42				
Dry		6-9-42				
Dry		7-7-42				
Dry		8-11-42				
Dry		9-22-42				
Dry		9-15-42				
Dry		11-24-42				
Dry		1-27-42				
Dry		1-20-42				T
Dry		2-17-42				M
Dry		3-3-42				
Dry		3-17-42	A, L			
113 + 85	Akin	3-24-42				
132	Sesser	6-2-42				T
Dry		5-5-42	A			
Dry		5-19-42				
15 + 24	Valier	5-26-42	L			R
Dry		5-5-42	L			B, F
50	Sesser[3]	6-9-42				
32 + 11	Sesser[3]	6-16-42				
Dry		6-30-42				
Dry		6-9-42	C, M			
Dry		8-4-42				
Dry		7-21-42				
Dry		7-14-42				
Dry		9-1-42				
Dry		8-18-42				
Dry		8-25-42				
Dry		8-11-42				
Dry		8-11-42	A			L
Dry		8-25-42				
15	West Frankfort[3]	8-25-42		C		
Dry		8-11-42		T		
Dry		8-18-42				L
Dry		9-8-42	L	A		R, F
Dry		9-22-42				
Dry		9-22-42				
Dry		10-6-42				
Dry		10-6-42				
Dry		10-20-42				T
Dry		12-1-42	A			
108	West Frankfort[3]	12-8-42			T	
Dry		1-20-42				
Dry		4-28-42				
Dry		4-28-42				A
75	Inman West	5-19-42			C	
Dry		6-30-42				
Dry		6-9-42				De
Dry		8-4-42	T, A			
Dry		7-7-42	C, A			T, B
Dry		7-7-42	C			
Dry		7-7-42	T			
Dry		7-14-42				

Footnotes on pp. 40, 41.

TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
196	Gallatin	33	7 S	10 E	2946	St. Louis	Kincaid-Delta—Schmitt 1
197	Gallatin	10	8 S	9 E	3060	Aux Vases	Aetna Oil et al—Foster 1
198	Gallatin	28	8 S	9 E	2978	McClosky	R. B. Martin—Minor 1
199	Gallatin	12	8 S	10 E	2751	Ste. Genevieve	Sohio Prod.—Crawford-Wright 1
200	Gallatin	28	7 S	8 E	2873	Ste. Genevieve	R. Powers—West 1
201	Gallatin	22	7 S	9 E	3082	St. Louis	N. V. Duncan—S. S. Knight 1
202	Gallatin	11	8 S	10 E	1851	Palestine	Cherry & Kidd—Kerwin 1
203	Gallatin	32	8 S	10 E	2959	Ste. Genevieve	Kingwood Oil—H. P. Dodge 1
204	Hamilton	22	6 S	5 E	3225	Aux Vases	D. Ring—Craddock 1
205	Hamilton	21	6 S	5 E	3257	Aux Vases	D. S. Ring—S. Johnson 1
206	Hamilton	15	7 S	7 E	3279	Ste. Genevieve	Cameron Bros.—Donnley 1
207	Hamilton	3	6 S	7 E	3407	St. Louis	Reward Oil—C. Johnson 1
208	Hamilton	3	7 S	6 E	3297	Ste. Genevieve	Pure Oil—D. Johnson 1
209	Hamilton	30	3 S	5 E	3404	Ste. Genevieve	Seaboard Oil—X. Kiefer 1
210	Hamilton	35	3 S	6 E	3452	Ste. Genevieve	J. L. White—A. W. Schnuck 1
211	Hamilton	27	5 S	5 E	3481	Ste. Genevieve	H. Fotiades—Mangis 1
212	Hamilton	9	4 S	7 E	3510	St. Louis	Texas—C. E. Epperson 1
213	Hamilton	11	4 S	7 E	3494	Ste. Genevieve	Kingwood Oil—G. Thomas 1
214	Hamilton	36	4 S	7 E	3522	St. Louis	Smokey Oil—M. E. York 1
215	Hamilton	35	5 S	7 E	3486	Ste. Genevieve	B. N. Heath—C. W. Klemm 1
216	Hamilton	4	6 S	6 E	3144	Aux Vases	Cameron Oil—Sharpe 1
217	Hamilton	11	5 S	5 E	3608	Ste. Genevieve	Carter—Leslie 1
218	Hamilton	35	6 S	5 E	3315	Aux Vases	Ohio Oil Co.—M. C. Moore 1
219	Hamilton	25	6 S	6 E	3360	Ste. Genevieve	Ohio Oil—V. H. Miller 1
220	Hamilton	23	3 S	7 E	3470	McClosky	Cherry & Kidd—Leach-Fuhrer 1
221	Hamilton	20	4 S	7 E	3531	Aux Vases	Texas—S. Minton 1
222	Hamilton	33	4 S	7 E	3152	Cypress	Aetna Oil—Giffle-Hanson Comm. 1
223	Hamilton	33	5 S	5 E	3430	Ste. Genevieve	Magnolia Petroleum—S. Moore 1
224	Hamilton	30	5 S	6 E	3516	St. Louis	Sun Oil—Swank-White Unit 1
225	Hamilton	17	5 S	7 E	3505	Ste. Genevieve	Delta Prod.—T. W. Allen 1
226	Hamilton	4	6 S	6 E	3232	Ste. Genevieve	Eason Oil—Hogan 1
227	Hamilton	35	6 S	6 E	3149	Aux Vases	Nash Redwine—L. Irvin 1
228	Hamilton	36	3 S	5 E	3463	St. Louis	Oil Carriers—Rose 1
229	Hamilton	27	6 S	5 E	3426	Ste. Genevieve	Tide Water Assoc. Oil—L. Dennis 1
230	Hamilton	22	3 S	6 E	3508	Ste. Genevieve	Mid-Continent Petroleum—Reuben 1
231	Hancock	24	4 N	7 W	865	"Trenton"	W. C. Cain—Tobias 1
232	Hardin	2	11 S	9 E	1822	Cypress	Todd et al—J. Porter 1
233	Henderson	22	11 N	5 W	900	Glenwood	C. M. Stotts—Stotts-Richmond 1
234	Iroquois	7	25 N	13 W	935	Silurian	Robinson-Puckett—Behrens 1
235	Iroquois	17	26 N	12 W	1032	"Trenton"	Detrick & Stuart—Lockhart 1
236	Jackson	12	7 S	2 W	1595	Paint Creek	H. A. Hoffman—C. A. Bowlin 1
237	Jackson	24	7 S	2 W	2200	Ste. Genevieve	Glenwood Oil—Truax-Traer Coal 2
238	Jackson	34	7 S	4 W	1193	Bethel	Central States Oil—Valentine Heirs 1
239	Jackson	21	8 S	3 W	730	Glen Dean	G. B. Collins—A. Beyer 1
240	Jackson	7	9 S	3 W	775	Chester series	F. R. Wiley—First Nat'l Bank of Murphysboro 1
241	Jasper	14	5 N	9 E	3051	Ste. Genevieve	P. Johnson—Black & Ward 1
242	Jasper	35	6 N	10 E	2940	St. Louis	Pure Oil—B. Ochs 1
243	Jasper	18	5 N	8 E	3056	St. Louis	Sinclair-Wyoming Oil—Birch 1
244	Jasper	2	6 N	8 E	3228	St. Louis	Seaboard Oil—J. O. Toland Community 1
245	Jasper	16	6 N	8 E	3202	Ste. Genevieve	C. L. Ervin—H. D. Garner 1
246	Jasper	17	7 N	10 E	2898	Ste. Genevieve	Oexner Oil Produeers—R. Higgins 1
247	Jasper	33	8 N	10 E	2710	Ste. Genevieve	Kingwood Oil—M. Meinhart 1
248	Jasper	4	5 N	8 E	3163	St. Louis	Sinclair-Wyoming—Viva Cook 1
249	Jasper	3	5 N	9 E	3175	St. Louis	Lee Drilling Co.—E. Needham 1
250	Jasper	23	7 N	10 E	2731	Ste. Genevieve	Kingwood et al—E. Martin 1
251	Jasper	29	7 N	10 E	2880	St. Louis	Sinclair-Wyoming—Mearl Kinsel 1
252	Jasper	20	8 N	10 E	2619	St. Louis	C. R. Craft—C. Baker 1
253	Jasper	12	5 N	9 E	2980	Ste. Genevieve	F. Jablonski—S. Brown 1
254	Jasper	15	5 N	9 E	3182	St. Louis	Olson Drilling—R. L. Berry 1
255	Jasper	20	5 N	14 W	2972	St. Louis	D. C. Stem—Deckard-Derler 1
256	Jasper	23	5 N	10 E	3065	Levias	Helmerich & Payne—C. D. Stiff 1
257	Jasper	1	5 N	10 E	2966	St. Louis	Helmerich & Payne & Phillips—D. Milliman 1
258	Jefferson	20	1 S	1 E	2374	St. Louis	Yingling & Mohawk Drilling—Fouts 1
259	Jefferson	33	1 S	1 E	2402	St. Louis	Cherry & Kidd—Giordano 1
260	Jefferson	1	2 S	1 E	2071	Bethel	Intra-State Producing—Heaton 1

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DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
Dry		9-1-42				
12 + 2	Inman North[3]	8-25-42				
Dry		8-18-42				
Dry		8-18-42				
Dry		9-29-42				
Dry		9-8-42				
180 + 54	Inman East[3]	9-29-42				
Dry		12-15-42				C
180 + 14	Rural Hill[3]	1-6-42				
11 + 43	Rural Hill[3]	3-31-42				
Dry		3-10-42				
Dry		4-14-42				
Dry		4-21-42				
Dry		5-12-42				M
Dry		6-2-42				M
Dry		5-5-42		C		
Dry		6-9-42	M			
Dry		6-16-42	A		M	
Dry		6-30-42				
Dry		6-9-42				
Dry		6-23-42				
Dry		7-21-42				
146 + 26	Rural Hill[3]	7-28-42			A	
Dry		7-7-42				
Dry		8-18-42				A
123 + 12	Blairsville	8-25-42			A	
Dry		9-1-42				
Dry		9-8-42				
Dry		9-8-42				
Dry		9-8-42				
Dry		11-3-42				
311	Walpole[3]	10-13-42				
Dry		12-1-42	M			
Dry		11-10-42				
Dry		12-15-42				A
Dry		3-3-42				
Dry		9-22-42				
Dry		1-5-43				
Dry		1-6-42				
Dry		2-24-42				
Dry		2-3-42				
Dry		2-10-42				
Dry		9-22-42				
Dry		11-3-42				
Dry		11-17-42				
Dry		2-17-42				
Dry		3-3-42				F
Dry		4-21-42				C, B, A
Dry		5-19-42				A
Dry		5-5-42				
Dry		5-5-42				
Dry		5-19-42	M			
Dry		7-21-42				
Dry		7-21-42				
Dry		8-4-42				
Dry		7-7-42				
Dry		7-21-42				
Dry		9-1-42				
Dry		8-25-42				
Dry		8-25-42				
316 + 300	Dundas East[3]	10-6-42				
Dry		1-5-43				
Dry		1-20-42				
Dry		2-3-42				
Dry		1-20-42				

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TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
261	Jefferson	8	3 S	1 E	3860	Devonian	Magnolia—Petroleum—Riddle Bros. 1
262	Jefferson	1	4 S	2 E	2904	St. Louis	Kennedy & Gilbert—C. H. Dunavan 1
263	Jefferson	6	4 S	2 E	2833	Ste. Genevieve	T. M. Conray—E. S. Carson Estate 1
264	Jefferson	32	4 S	3 E	3034	St. Louis	National Petroleum—A. Fitzgerrell 1
265	Jefferson	1	2 S	1 E	2150	Bethel	S. C. Yingling—J. Spangler 1
266	Jefferson	36	1 S	1 E	2426	St. Louis	D. Schwab et al—Hutchings-Holderman 1
267	Jefferson	5	1 S	3 E	2627	McClosky	Deaton & Bears et al—B. Howard et al 1
268	Jefferson	29	3 S	2 E	2788	Ste. Genevieve	Kingwood Oil—J. F. P. Company 1
269	Jefferson	28	3 S	4 E	3193	St. Louis	Seaboard Oil—F. P. Yeager 1
270	Jefferson	3	1 S	4 E	3033	Ste. Genevieve	Magnolia Petroleum—C. W. Pierce 1
271	Jefferson	13	2 S	1 E	2430	Ste. Genevieve	Kingwood Oil—M. J. Welborn 1
272	Jefferson	3	2 S	4 E	3058	Ste. Genevieve	R. O. Ottenad—Cooper 1
273	Jefferson	10	3 S	1 E	2436	St. Louis	Texas—T. Mydler 1
274	Jefferson	22	1 S	3 E	2827	Ste. Genevieve	Arrow Drilling et al—Wimberly Community 1
275	Jefferson	19	2 S	3 E	2780	Ste. Genevieve	Cameron Bros.—Hertenstine 1
276	Jefferson	21	3 S	3 E	2762	Aux Vases	Lewis Prod.—State Game Preserve 1
277	Jefferson	10	4 S	2 E	2831	Ste. Genevieve	R. B. Martin—Threlkeld et al 1
278	Jefferson	24	1 S	1 E	2405	St. Louis	W. Duncan et al—G. A. Ernst 1
279	Jefferson	10	3 S	3 E	3044	St. Louis	Texas—Williford 1
280	Jefferson	1	3 S	4 E	3214	Levias & McClosky	Lario Oil & Refining Co.—Starr Bros. 1
281	Jefferson	13	4 S	2 E	2905	Ste. Genevieve	E. E. Gill—Threlkeld 1
282	Jefferson	27	4 S	2 E	2900	Ste. Genevieve	R. B. Martin—Black 1
283	Jefferson	5	1 S	3 E	2665	Ste. Genevieve	R. Powers—A. T. Hayes 1
284	Jefferson	34	2 S	4 E	3206	St. Louis	Ohio—Ill. Central R. R. 1
285	Jefferson	35	2 S	4 E	3175	St. Louis	Pure & Shell—Huff-Nelson 1
286	Jefferson	35	2 S	4 E	3185	St. Louis	Wiser—J. Baldridge 1
287	Jefferson	26	3 S	1 E	2936	St. Louis	Carter—Interstate Coal 1
288	Jefferson	29	3 S	1 E	2441	St. Louis	Skelly—J. F. P. Co. 1
289	Jefferson	13	1 S	4 E	3069	St. Louis	Magnolia Petroleum—M. Branson 1
290	Jefferson	35	2 S	2 E	2904	Ste. Genevieve	H. H. Wegener—Grant Unit 1
291	Jefferson	36	2 S	4 E	3087	McClosky	Ohio Oil—J. Lingle 1
292	Jefferson	16	3 S	3 E	4759	Devonian	Texas—H. P. Croueh 1
293	Jefferson	33	3 S	3 E	2848	Levias & McClosky	Oil Carriers, Inc.—Mace 1
294	Jefferson	14	1 S	4 E	2981	Levias & McClosky	Gulf—Bradford 1
295	Jefferson	27	3 S	3 E	2812	Aux Vases	Nash Redwine—Willmore-Wilkerson 1
296	Jefferson	1	4 S	4 E	3363	Ste. Genevieve	G. H. Echols—R. W. Aydt 1
297	Johnson	34	13 S	4 E	705	Lower Chester	McGee—Taylor 1
298	LaSalle	18	32 N	3 E	420	Pennsylvanian	J. S. Feltus—Clark 1
299	Lawrence	33	4 N	11 W	1985	St. Louis	V. Youngblood—Philbert 1
300	Lawrence	27	2 N	12 W	2023	Bethel	W. R. White—A. Hershey 1
301	Lawrence	16	3 N	10 W	1377	Buchanan	C. H. Parott—R. L. Robeson 1
302	Lawrence	20	2 N	12 W	2392	Ste. Genevieve	R. Rothlei—Dager 1
303	Lawrence	28	2 N	12 W	2135	Bethel	E. O. Olds et al—Stoltz 1
304	Lawrence	24	3 N	11 W	1843	McClosky	J. Bauer—Arkansas Trust 1
305	Livingston	8	29 N	5 E	315	Pennsylvanian	L. B. Hutchinson—A. F. Corbin 1
306	McDonough	4	4 N	4 W	535	Maquoketa	J. B. Bushnell—Newland 1
307	McDonough	29	4 N	4 W	725	"Trenton"	C. B. Talbot—F. W. Powell 1
308	McDonough	2	4 N	4 W	782	"Trenton"	D. K. Degenther—E. W. Hagon 1
309	McDonough	30	5 N	4 W	851	"Trenton"	H. J. Hensley—Bushnell 1
310	McDonough	7	4 N	4 W	447	Hoing	C. Measley—Nooner 1
311	McLean	33	24 N	5 E	2261	St. Peter	J. M. McLaughlin—J. McGowan 1
312	Macon	21	15 N	2 E	1333	Bethel	Margrave & Pollack—A. Rill 1
313	Macoupin	23	8 N	9 W	580	Salem	W. R. Holmes—Watkins 1
314	Macoupin	35	9 N	8 W	421	Pottsville	R. G. Whipple—H. C. Rhoads 1
315	Macoupin	27	8 N	9 W	411	Mississippian	Harms & Hudson—W. M. Breitweiser 1
316	Macoupin	18	8 N	8 W	400	Pottsville	W. R. Holmes—Stephen 1
317	Macoupin	18	8 N	8 W	420	Pottsville	K. Reay—Stephen 1
318	Macoupin	26	9 N	8 W	450	St. Louis	McCollom Bros.—Fee 1
319	Macoupin	7	8 N	8 W	320	Pottsville	W. R. Holmes—Graham Kulenkamp 1
320	Macoupin	21	8 N	8 W	465	Pottsville	W. R. Holmes—Stouffe 1
321	Macoupin	13	8 N	9 W	345	Pottsville	W. R. Homes—Spence 1
322	Macoupin	12	8 N	9 W	409	Pottsville	W. R. Holmes—Travers 1
323	Macoupin	17	10 N	7 W	565	Pottsville	G. Goodman—V. Reinke 1
324	Macoupin	17	8 N	8 W	400	Pottsville	J. A. Hirrsh—Brueggeman 1
325	Macoupin	18	10 N	7 W	550	Pottsville	A. M. Scroggins—Bates 1

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DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
Dry		2-3-42				D
Dry		1-27-42				R, M
Dry		1-27-42				
Dry		1-13-42	A		R	
Dry		2-24-42				
Dry		4-28-42				B
192	Kell	4-21-42				
Dry		4-21-42	B			
Dry		4-14-42				M
Dry		5-26-42				
Dry		5-12-42	B, A			
Dry		6-19-42				A
Dry		5-26-42				
Dry		6-9-42				
Dry		6-23-42				B
153 + 15	King	6-23-42				
Dry		6-23-42				
Dry		7-21-42	B			
Dry		7-28-42				A, L, R, M
190 + 90	Markham City	8-4-42				
Dry		7-28-42			A	
Dry		7-7-42				
Dry		8-25-42				
Dry		8-18-42				
Dry		9-1-42				
Dry		9-1-42				
Dry		8-25-42				
Dry		8-25-42				A
Dry		9-8-42				
Dry		9-8-42				
513	Markham City[3]	9-15-42			M	
Dry		9-15-42		Wa		
103	King[3]	9-15-42		L		R, A
15 + 30	Coil West	10-13-42				A
20	King[3]	10-13-42				
Dry		12-15-42				M
Dry		3-10-42				
Dry		10-20-42				
Dry		2-24-42				
126	South Lawrence[3]	5-5-42				
Dry		5-5-42				
Dry		10-13-42				
Dry		10-13-42				
8 + 20		10-6-42				
Dry		11-10-42				
Dry		2-10-42				
Dry		2-17-42				
Dry		6-16-42				
Dry		7-14-42				
1½		9-1-42				
Dry		11-3-42				
Dry		2-17-42				B
Dry		1-13-42				
10 + 10	Plainview	1-27-42				
Dry		2-24-42				
1.5[2]		3-10-42				
0.1[2]		5-19-42				
Dry		5-19-42				
0.15[2]		6-23-42				
Dry		8-4-42				
Dry		7-7-42				
Dry		9-1-42				
Dry		10-20-42				
0.1[2]		12-1-42				
Dry		11-17-42				

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TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
326	Madison	33	5 N	6 W	2584	"Trenton"	Aleh & Carroll—Rinkel 1
327	Madison	16	3 N	6 W	2354	"Trenton"	M. D. Bryant et al—H. Meyer 1
328	Madison	27	3 N	6 W	2357	"Trenton"	E. A. Obering—Buchmann 1
329	Madison	3	3 N	6 W	2479	"Trenton"	Watkins Drilling—Geigler 1
330	Madison	19	3 N	6 W	2403	"Trenton"	J. W. Menhall—Holtgrave 1
331	Madison	21	4 N	8 W	2136	"Trenton"	Gulf Oil—Stewart 1
332	Madison	28	3 N	6 W	2506	"Trenton"	Oils, Inc.—Noll 1
333	Madison	34	3 N	6 W	2373	"Trenton"	E. A. Obering—Bussong 1
334	Madison	35	3 N	6 W	2555	"Trenton"	Versluis & Walker—E. A. Fairies 1
335	Madison	2	4 N	6 W	2619	"Trenton"	L. Sloan—Kisner 1
336	Madison	20	4 N	7 W	2320	"Trenton"	Ledbetter & Gardenhire—Holtman 1
337	Madison	7	6 N	7 W	2079	"Trenton"	E. C. Stout et al—Goebel et al 1
338	Marion	22	2 N	4 E	2764	Ste. Genevieve	National Petroleum—Lindley 1
339	Marion	8	3 N	4 E	2541	St. Louis	Seaboard Oil—F. Miller 1
340	Marion	5	4 N	1 E	1603	Bethel	W. O. Morgan—Doolen 1
341	Marion	15	1 N	2 E	2085	Rosiclare	Big Chief Drilling—H. Boles 1
342	Marion	16	4 N	1 E	1360	Cypress	National Petroleum—Smith 1
443	Marion	19	4 N	3 E	2169	Ste. Genevieve	T. R. Buell et al—T. E. Robb 1
344	Marion	20	1 N	4 E	2874	Ste. Genevieve	C. S. Beck—Phelps 1
345	Marion	11	1 N	4 E	3074	St. Louis	Sinclair—Dora Sinclair 1
346	Marion	32	2 N	4 E	2850	Fredonia	Arrow Drilling—Stonecipher 1
347	Marion	28	1 N	2 E	2109	Rosiclare	F. W. Braniger & R. Powers—Hatfield 1
348	Marion	28	1 N	2 E	2190	Ste. Genevieve	Skiles et al—Barnhouse 1
349	Marion	25	4 N	2 E	2296	St. Louis	Texas—J. Conant 1
350	Marion	35	4 N	3 E	2479	St. Louis	Papoose Oil—E. C. Snelling 1
351	Marion	14	3 N	1 E	1831	Aux Vases	Cameron Bros.—C. O. Hill 1
352	Marion	21	4 N	4 E	2460	Ste. Genevieve	Ohio—S. Jones 1
353	Marion	8	3 N	1 E	1726	Ste. Genevieve	A. J. Hammer et al—C. Adams 1
354	Marion	24	4 N	2 E	2262	St. Louis	B. Taylor—O. E. Garrett 1
355	Marion	24	4 N	4 E	2715	Ste. Genevieve	A. L. Williams—Feller 1
356	Marion	2	3 N	1 E	2027	Ste. Genevieve	W. P. Muller—D. Sloan 1
357	Marion	17	4 N	4 E	2394	St. Louis	Lario Oil & Gas—J. Holson 1
358	Montgomery	10	7 N	2 W	1290	St. Louis	Papoose Oil—P. O. Whitton 1
359	Montgomery	15	9 N	4 W	644	Pottsville	A. M. Lacey—P. Young 1
360	Montgomery	29	8 N	5 W	578	Pottsville	W. R. Holmes—Klekamp 1[4]
361	Montgomery	29	8 N	5 W	602	Pennsylvanian	W. R. Holmes—Niemann 1
362	Morgan	25	13 N	10 W	952	Devonian	G. L. Hills & T. McConnell—J. W. Sharp 1
363	Morgan	29	14 N	10 W	1041	Devonian	Allan J. Coe—Robinson 1
364	Morgan	21	15 N	9 W	410	Salem	W. Vette—Zachary 1
365	Peoria	17	8 N	6 E	1010	Silurian	J. F. Doubet—Kyle 2
366	Perry	11	4 S	1 W	1702	Ste. Genevieve	Blankenship & Randall—N. Wyeiskila 1
367	Perry	22	4 S	1 W	1150	Weiler	Harsh—Newborn 1
368	Perry	23	4 S	2 W	3014	Devonian	Shell Oil—J. Schubert 1
369	Perry	27	4 S	2 W	1724	Ste. Genevieve	Illinois Explor.—O. Chapman 1
370	Perry	28	4 S	1 W	1367	Bethel	J. N. Harsh—J. H. Bagwell 1
371	Perry	1	5 S	2 W	3087	Devonian	Texas—W. Malinski 1
372	Perry	13	4 S	1 W	1905	Ste. Genevieve	Magnolia Petroleum—Restoff 1
373	Perry	30	5 S	1 W	1620	Ste. Genevieve	W. C. McBride—F. M. Miller 1
374	Perry	14	4 S	4 W	1691	St. Louis	Texas—Al E. Leieh 1
375	Perry	3	4 S	2 W	1343	Aux Vases	J. N. Harsh—J. Bronke 1
376	Perry	11	5 S	4 W	1577	Ste. Genevieve	C. H. Harrison—Brueggemann 1
377	Pulaski	9	15 S	1 E	3885	St. Peter	R. G. Williams et al—W. L. Richey 1
378	Putnam	3	31 N	1 W	375	Pennsylvanian	C. O. Weir—F. W. Kunne 1
379	Randolph	2	4 S	5 W	1205	Aux Vases	C. N. Krysl—McCrary 1
380	Randolph	2	4 S	5 W	680	Tar Springs	F. Erb—Young 1
381	Richland	30	2 N	11 E	3365	St. Louis	Zephyr Drilling et al—Simpson-Poff 1
382	Richland	33	3 N	9 E	3145	Ste. Genevieve	D. Goodson & Martin—W. O. Taylor 1
383	Richland	1	3 N	10 E	3326	St. Louis	Olson Drilling—W. Boyd 1
384	Richland	10	3 N	10 E	3159	Ste. Genevieve	Benedum-Trees Oil—L. J. Powell 1
385	Richland	3	3 N	14 W	3126	St. Louis	Seaboard Oil—G. Steber 1
386	Richland	21	2 N	14 W	3097	McClosky	Bonpas Development—J. M. Woods 2
387	Richland	13	3 N	8 E	3074	Ste. Genevieve	C. Speed, Jr.—A. J. Brant 1
388	Richland	27	4 N	9 E	2710	Weiler	Pure Oil—W. G. Murvin "B" 1
389	Richland	36	3 N	8 E	3025	McClosky	Pure Oil—A. Grubb "A" 1
390	Richland	32	3 N	14 W	3232	Ste. Genevieve	Seaboard Oil—M. Kimmel 1

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DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
Dry		3-10-42				
118	St. Jacob	6-2-42			Tr	
147 + 20	St. Jacob[3]	9-1-42				
Dry		9-15-42				
Dry		9-22-42				Tr
Dry		9-8-42	Tr			D
Dry		11-3-42				
Dry		10-27-42				
Dry		11-3-42				
Dry		11-3-42				
Dry		11-10-42	Tr			
Dry		12-15-42				
Dry		1-27-42				M
Dry		4-7-42				
Dry		4-28-42				
48	Salem[3]	5-5-42				
Dry		6-16-42				
Dry		6-23-42				
Dry		8-4-42				M
Dry		8-25-42				
Dry		8-18-42				
90	Dix[3]	9-8-42				
Dry		9-15-42				
Dry		9-8-42				B, R
Dry		9-29-42				
Dry		10-6-42				
Dry		10-6-42				B
Dry		12-1-42				B
Dry		11-24-42				
Dry		11-10-42				
Dry		12-22-42				
Dry		1-5-43				
Dry		6-2-42				
Dry		7-14-42				
0.6[2]		9-1-42				
45	Mt. Olive	12-15-42				
Dry		7-28-42				
Dry		7-21-42				
Dry		8-11-42				
Dry		9-15-42				
Dry		3-24-42	C			
16 + 10	Tamaroa	3-24-42				
Dry		3-17-42	B, D			C, A, M
Dry		4-7-42				
Dry		6-30-42				
Dry		6-9-42	C			B
Dry		8-4-42				
Dry		7-28-42				
Dry		9-29-42				B
Dry		11-24-42				
Dry		11-17-42				
Dry		7-28-42				
Dry		7-14-42				
Dry		4-28-42				
Dry		11-17-42				
Dry		2-3-42				
Dry		2-3-42	M			
Dry		1-13-42				M
Dry		1-13-42			M	
Dry		1-27-42				
1086	Bonpas West[3]	2-17-42				
Dry		2-24-42				R, F
165	Noble[3]	4-14-42			C	
4 + 8		5-12-42	C		M	
Dry		5-5-42				

Footnotes on pp. 40, 41.

TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
391	Richland	22	2 N	10 E	3302	Ste. Genevieve	Dawson & Martin—R. Smith 1
392	Richland	1	4 N	10 E	3171	St. Louis	Helmerich & Payne—E. Detrick 1
393	Richland	28	5 N	9 E	3181	Ste. Genevieve	Gulf Refining Co.—Wakefield 1
394	Richland	35	5 N	10 E	3011	McClosky	Helmerich & Payne—Stiff Heirs 1
395	Richland	20	3 N	10 E	3299	Fredonia	Ohio—G. P. Nelson 1
396	Richland	24	4 N	10 E	3204	St. Louis	Helmerich & Payne—Dr. Fritschle 1
397	Richland	10	4 N	14 W	2997	McClosky	Boles Bros.—W. C. Petty 1
398	Richland	26	3 N	14 W	3185	Ste. Genevieve	Nadel & Gussman—T. F. Eaton 1
399	Richland	30	4 N	14 W	3235	St. Louis	Helmerich & Payne—Bohrer-Bowman 1
400	Richland	12	3 N	14 W	3099	Ste. Genevieve	Nadel & Gussman—G. McElvilly 1
401	Richland	11	4 N	9 E	3040	Ste. Genevieve	Pure—D. Sayre "C" 1
402	Richland	26	4 N	9 E	2588	Weiler	Pure—Berger Consolidated 1
403	St. Clair	4	2 S	6 W	978	McClosky	E. Burgard et al—Mumme 1
404	St. Clair	24	1 S	10 W	1097	"Trenton"	W. Payne—W. Ehlers 1
405	St. Clair	29	3 S	6 W	640	Bethel	C. W. Young—Saurwein 1
406	St. Clair	7	2 N	7 W	1000	Ste. Genevieve	L. L. Benoist—Whittenfield 1
407	St. Clair	5	2 N	6 W	2471	"Trenton"	Weinert et al—North 1
408	St. Clair	28	2 S	8 W	1396	"Trenton"	T. R. Kerwin—Harbaugh 1
409	St. Clair	5	1 N	8 W	2001	"Trenton"	Mid-Sun Oil—Schneppe Community 1
410	St. Clair	17	2 N	7 W	2095	"Trenton"	L. L. Benoist—Hobrein 1
411	St. Clair	31	2 N	7 W	2450	St. Peter	P. S. Pritchard et al—Holliday 1
412	St. Clair	29	3 S	6 W	630	Yankeetown	C. W. Young—Hotz 2
413	St. Clair	14	1 N	6 W	2765	"Trenton"	Smokey Oil—E. Morris Community 1
414	St. Clair	2	1 N	8 W	1977	"Trenton"	Mid-Sun Oil—Randle 1
415	St. Clair	26	2 N	6 W	2689	"Trenton"	V. J. Nolan—J. D. Schoene 1
416	St. Clair	16	2 N	8 W	2009	"Trenton"	Smokey Oil—A. Kinsella 1
417	Saline	28	7 S	5 E	3420	Ste. Genevieve	Seahoard Oil—S. C. Galbraith 1
418	Saline	26	7 S	6 E	2529	Hardinsburg	Fortner & Smith—Grishan 1
419	Saline	9	8 S	7 E	3109	Ste. Genevieve	Wiser Oil—Neel 1
420	Saline	6	8 S	7 E	3044	Ste. Genevieve	F. Summers—H. Roberts 1
421	Saline	26	7 S	6 E	3256	Ste. Genevieve	Baldwin et al—Grishan 1
422	Saline	19	7 S	7 E	3300	Ste. Genevieve	C. Robinson—Blackhurn 1
423	Saline	26	7 S	7 E	3155	St. Louis	Sinclair-Wyoming Oil—H. J. Garner 1
424	Saline	9	8 S	5 E	3200	Ste. Genevieve	Buel & Herndon—C. Wilson 1
425	Saline	7	8 S	7 E	2961	Aux Vases	Brooks et al—J. Suttner 1
426	Saline	26	7 S	6 E	3183	Ste. Genevieve	W. G. Fortner—Tison 1
427	Saline	15	8 S	5 E	3122	St. Louis	Taylor Drilling—Weber 1
428	Saline	13	10 S	5 E	2558	St. Louis	Smokey Oil—Barger 1
429	Schuyler	25	3 N	4 W	924	"Trenton"	W. Vette—Prudential Life Ins. 1
430	Shelby	8	10 N	4 E	1953	St. Louis	Illinois Exploration—Henry S. Davis 1
431	Shelby	21	11 N	3 E	1938	St. Louis	H. Sims et al—J. Bauer 1
432	Shelby	2	10 N	4 E	2055	St. Louis	R. Lee, Trustee—Stevens Heirs 1
433	Tazewell	24	25 N	3 W	1675	"Trenton"	R. Bartelmay—Mathis 1-A
434	Wabash	17	1 N	11 W	1610	Tar Springs	Dean & Morton—Whiteside 1
435	Wahash	6	1 S	13 W	2911	Ste. Genevieve	J. T. Bradley—Fisher 1
436	Wabash	8	1 N	13 W	2764	Ste. Genevieve	Mark Twain Oil—H. E. York 1
437	Wahash	33	2 N	12 W	2295	Ste. Genevieve	Olds & McNeill—F. Leathers 1
438	Wabash	9	1 N	13 W	2765	McClosky	Hayes Drilling et al—Neikirk Heirs 1
439	Wabash	3	1 S	13 W	2477	Bethel	Skiles et al—Wheatly 1
440	Wabash	18	1 N	11 W	2262	Ste. Genevieve	E. O. Olds—J. W. Whiteside 1
441	Washington	35	2 S	1 W	1806	Ste. Genevieve	Fotiades—Long et al 1
442	Washington	20	3 S	2 W	1362	Bethel	J. A. Brouk—Kozuszek 1
443	Washington	13	3 S	3 W	1501	Ste. Genevieve	Magnolia Petroleum—D. Piglowski 1
444	Washington	31	2 S	1 W	1769	St. Louis	Shell Oil—Mill 1
445	Washington	9	2 S	2 W	1850	Ste. Genevieve	R. Hal Compton—Huegley-Hasemeier 1
446	Washington	15	3 S	2 W	1344	Bethel	R. Hubbard—Mozelewski 1
447	Washington	26	3 S	2 W	1572	St. Louis	C. V. Richardson et al—Glazik et al 1
448	Washington	13	3 S	2 W	1685	Bethel	Gulf Refining Co.—R. Leffner 1
449	Washington	16	3 S	4 W	1371	Ste. Genevieve	J. H. Dorlan—J. R. McClay 1
450	Washington	21	2 S	3 W	1475	Aux Vases	T. M. Conrey et al—E. Z. Liebrock 1
451	Washington	12	3 S	2 W	1420	Bethel	T. M. Conrey et al—Wisniewski 1
452	Washington	26	3 S	2 W	1648	St. Louis	Texas—J. Bain 1
453	Washington	4	1 S	2 W	1496	Ste. Genevieve	C. V. Richardson—Weihe 1
454	Washington	27	1 S	2 W	1584	Ste. Genevieve	C. V. Richardson et al—H. D. Brink 1
455	Wayne	9	1 S	5 E	3154	Ste. Genevieve	L. & W. Drilling—Crumbacher 1

Footnotes on pp. 40, 41.

DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
Dry		6-16-42	M			
Dry		7-21-42	A			F
Dry		8-4-42				
212	Dundas East	7-14-42				
Dry		8-18-42				F
Dry		9-29-42	Pc			C
80 + 54	Amity	9-29-42				
Dry		10-27-42				
Dry		10-27-42				
Dry		11-10-42				M
Dry		12-22-42				
41 + 7	Noble[2]	12-15-42				
Dry		6-2-42				
Dry		6-23-42				
Dry		7-7-42				
Dry		7-21-42				
Dry		9-22-42				
Dry		9-15-42				
Dry		10-27-42				
Dry		11-3-42				
Dry		12-1-42				
Dry		10-13-42				
Dry		1-5-43				
Dry		12-15-42				
Dry		1-5-43				
Dry		1-5-43				
Dry		1-13-42				A
Dry		2-3-42				
Dry		1-12-42	Pa			
Dry		4-7-42				
Dry		6-30-42				
Dry		6-30-42			T	
Dry		6-23-42	H			A
Dry		7-28-42				
Dry		8-4-42				
Dry		8-18-42				
Dry		8-11-42	A			C
Dry		10-27-42	M			
Dry		5-5-42				
Dry		4-7-42	B			
Dry		10-20-42				A
Dry		1-5-43				
Dry		3-24-42				
Dry		1-27-42				
Dry		2-24-42				
Dry		5-26-42				
Dry		7-21-42				
40 + 200	Lancaster[3]	8-18-42				
35	Friendsville	9-22-42				
Dry		1-5-43				
Dry		1-27-42	B, R			
Dry		1-20-42				
Dry		3-31-42				B
Dry		4-28-42	B			
Dry		5-12-42				
Dry		6-23-42				
Dry		6-9-42		B		
22 + 33	Dubois West	7-7-42				
Dry		8-25-42				
Dry		9-22-42				
Dry		10-27-42	C, B			
Dry		10-13-42				
Dry		11-10-42				
Dry		1-5-43				
Dry		1-27-42				M

Footnotes on pp. 40, 41.

TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
456	Wayne	17	1 S	6 E	3209	McClosky	Texas—B. Talbert 2
457	Wayne	21	1 S	6 E	3238	Ste. Genevieve	I. A. O'Shaugnessy—Withrow 1
458	Wayne	17	2 S	6 E	3380	St. Louis	Gulf Refining—A. Solon 1
459	Wayne	19	2 S	6 E	3330	Ste. Genevieve	R. Powers et al—Musgrave 1
460	Wayne	29	2 S	6 E	3220	Aux Vases	Reward Oil—Duke 1
461	Wayne	19	1 N	5 E	3111	St. Louis	Gulf Refining—O. M. Henson 1
462	Wayne	18	1 N	6 E	3290	St. Louis	R. S. Hayes—J. Towns 1
463	Wayne	2	2 S	8 E	3496	St. Louis	Schuller & Lynch—H. E. Spencer 1
464	Wayne	24	1 N	5 E	3113	McClosky	Bell Bros.—E. Jones 1
465	Wayne	18	1 S	5 E	2940	Aux Vases	First Nat'l. Petrol. Trust—Ellis 1
466	Wayne	11	3 S	5 E	3422	St. Louis	Bell Bros.—R. Hand 1
467	Wayne	24	2 N	5 E	3025	St. Louis	A. W. Gerson—Leppo 1
468	Wayne	23	2 S	6 E	3397	St. Louis	Carter Oil—D. Wright 1
469	Wayne	21	2 S	9 E	3410	Ste. Genevieve	New Penn Development—T. Simpson 1
470	Wayne	27	2 S	9 E	3398	Ste. Genevieve	New Penn Development—W. Fisher 1
471	Wayne	28	2 S	9 E	3436	Ste. Genevieve	New Penn Development—C. Harris 1
472	Wayne	28	2 S	9 E	3311	Rosielare	New Penn Development—L. P. Harris 1
473	Wayne	34	1 N	8 E	3281	Ste. Genevieve	W. E. Hupp et al—Farris 1
474	Wayne	14	1 S	6 E	3229	McClosky	N. V. Duncan et al—Anderson-Rogers 1
475	Wayne	11	2 S	5 E	3275	St. Louis	Sinclair-Wyoming Oil—Edmison 1
476	Wayne	15	1 N	5 E	3102	St. Louis	C. Wilson et al—S. Ward 1
477	Wayne	31	2 N	5 E	3145	St. Louis	J. W. Carter et al—Fartherее Community 1
479	Wayne	30	2 S	9 E	3441	McClosky	New Penn Dev. Corp.—J. L. Wagner 1[9]
480	Wayne	26	1 S	6 E	3248	Ste. Genevieve	C. F. Frazier—Gregg Heirs 1
481	Wayne	27	1 S	6 E	3250	Ste. Genevieve	H. Sims—Malone 1
482	Wayne	30	1 S	7 E	3290	McClosky	Deep Rock Oil—L. A. Blackburn 1
483	Wayne	4	2 S	6 E	3281	Ste. Genevieve	Texas—Miles 1
484	Wayne	11	2 S	7 E	3330	McClosky	H. H. Weinert—Suycott Community 1
485	Wayne	16	3 S	7 E	3410	Ste. Genevieve	Texas—W. M. Goudy 1
486	Wayne	26	1 N	8 E	3145	Aux Vases	Pure Oil—A. R. Marvel 1
487	Wayne	26	2 N	7 E	3159	Ste. Genevieve	Pure Oil—T. R. Miehels "B" 1
488	Wayne	13	1 S	7 E	3212	Aux Vases	Pure Oil—G. W. Pike 1
489	Wayne	25	1 S	7 E	3494	McClosky	Pure Oil—C. C. Reynolds 1
490	Wayne	28	1 S	8 E	3380	Rosielare	H. H. Weinert—J. Crews 1
491	Wayne	4	2 S	8 E	3324	Ste. Genevieve	H. H. Weinert—Sutherland 1
492	Wayne	7	3 S	5 E	3193	Ste. Genevieve	Lario Oil & Gas—R. Dodge 1
493	Wayne	2	1 N	5 E	3105	Ste. Genevieve	Gulf & Lario Oil & Gas—A. Burroughs 1
494	Wayne	17	1 N	7 E	3237	McClosky	Shell—M. Rutger 1
495	Wayne	11	1 S	5 E	3261	Ste. Genevieve	Helmerich & Payne—Talbert 1
496	Wayne	14	1 S	6 E	3237	Aux Vases	Shell—N. Montgomery 1
497	Wayne	11	2 S	6 E	3397	St. Louis	Eason—Friend 1
498	Wayne	8	1 N	7 E	3252	Ste. Genevieve	Hamm & Wright—M. Cisne 1
499	Wayne	1	1 S	5 E	3276	St. Louis	Gulf Oil—F. Melton 1
500	Wayne	19	1 S	5 E	2893	Aux Vases	W. C. McBride—Youngblood-Gregory 1
501	Wayne	9	1 S	7 E	3320	Aux Vases	V. A. Thompson—Whitlock 1
502	Wayne	18	1 S	7 E	3323	Ste. Genevieve	Dee Bros.—Fuhrer 1
503	Wayne	22	1 S	9 E	3487	Ste. Genevieve	Mabee Oil & Gas—P. C. Borah 1
504	Wayne	6	2 S	6 E	3230	St. Louis	Texas—G. F. Garner 1
505	Wayne	17	2 S	8 E	3250	Aux Vases	C. Robinson & Continental Oil—C. W. Osborne 1[7]
506	Wayne	23	1 N	5 E	3100	Ste. Genevieve	H. Fotiades—Shewmake 1
507	Wayne	14	1 N	8 E	3080	McClosky	Pure—C. E. Webster 1
508	Wayne	4	2 S	9 E	3376	Ste. Genevieve	Bell Bros.—H. Q. Allison 1
509	Wayne	1	3 S	9 E	3451	Ste. Genevieve	Cherry & Kidd—Seifert 1
510	Wayne	33	1 S	9 E	3408	Ste. Genevieve	C. Robinson—Rigg 1
511	Wayne	32	2 S	6 E	3379	McClosky	H. H. Weinert—Thomason Community 1
512	Wayne	6	3 S	8 E	3540	Ste. Genevieve	H. H. Weinert—Davis 1
513	Wayne	7	1 S	8 E	3319	McClosky	Deep Rock—St. Louis Bank 1
514	White	21	3 S	8 E	3589	St. Louis	R. S. Hayes et al—D. H. Vaughn 1
515	White	17	4 S	9 E	3440	Ste. Genevieve	Stilley & Hampton—E. Ramming 1
516	White	33	5 S	8 E	3475	Ste. Genevieve	DeLap—Biggerstaff 1
517	White	21	6 S	10 E	3201	Ste. Genevieve	Cameron Oil—H. T. Reiling 1
518	White	36	5 S	10 E	3094	McClosky	J. Dawson et al—H. L. Clark 1
519	White	28	6 S	8 E	3232	St. Louis	N. V. Duncan—E. H. Dehoard 1
520	White	15	6 S	9E	2942	Bethel	M. Marshall—B. Bramelet 2

Footnotes on pp. 40, 41.

DRILLED IN 1942—Continued

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
303	Sims North	1-6-42				
Dry		1-20-42				
Dry		1-20-42				A, M
Dry		1-13-42				
Dry		2-3-42				
Dry		3-3-42				F
Dry		2-10-42				
Dry		3-3-42				
8	Johnsonville West[1]	3-10-42				
450 + 23	Coil	3-31-42				
Dry		3-17-42				
Dry		4-7-42	Pc, A			
Dry		4-7-42			M	
Dry		4-14-42				
Dry		4-28-42				
Dry		4-28-42				
201	Golden Gate[3]	4-14-42				
Dry		6-2-42			M	
17 + 65	Johnsonville South	5-26-42			M	
Dry		5-26-42				
Dry		6-9-42				A
Dry		6-9-42				
20	Barnhill East	3-7-39	A	M	R	
Dry		6-16-42				M
Dry		6-23-42				
871	Covington	6-30-42				
Dry		6-9-42				A
15 + 200	Boyleston[3]	6-23-42	M			
Dry		6-16-42				
92	Mt. Erie[3]	7-7-42				
Dry		7-7-42				
237	Geff[3]	7-28-42				
26 + 6	Boyleston[3]	7-7-42				
20 + 20	Mt. Erie South[3]	7-28-42				
Dry		7-28-42			R, M	
Dry		7-7-42				A
Dry		8-25-42				A, F
35 + 33	Cisne North	9-1-42	A		M	
Dry		9-1-42				
19 + 8	Johnsonville South[3]	8-25-42		M	A	
Dry		9-1-42				
Dry		9-15-42				
Dry		9-22-42				M
221	Coil[3]	9-15-42				
100	Geff West	9-15-42				
Dry		9-15-42				
Dry		9-15-42				
Dry		9-29-42				
16 + 77		9-29-42				
Dry		11-3-42				
260	Clay City Consol.[3]	10-20-42				
Dry		10-27-42	A		M	
Dry		10-27-42				A
Dry		11-17-42				M
40	Mayberry[3]	11-17-42				
Dry		11-24-42	A			
270 + 14	Geff[3]	1-5-43				
Dry		1-27-42				
Dry		1-20-42				
Dry		1-27-42	A			
Dry		1-13-42				
23 + 13	Maunie North[3]	2-10-42	A			C
Dry		2-24-42	C, Pc	T	B	
Dry		3-3-42				

Footnotes on pp. 40, 41.

TABLE 13.—WILDCAT WELLS

No.	County	Location			Total depth (feet)	Deepest horizon tested	Company and farm name
		Sec.	Twp.	Rge.			
521	White	3	5 S	9 E	3240	Aux Vases	Seahoard Oil—H. Gates 1
522	White	35	6 S	9 E	3096	McClosky	Carter Oil—E. A. Marlin 1
523	White	33	6 S	10 E	2917	Aux Vases	Minerva Oil—P. Ramsey 1
524	White	13	4 S	9 E	3264	McClosky	Sun Oil—G. Hertlein 1
525	White	12	5 S	10 E	3210	Ste. Genevieve	Allen & Seiverson—Ford 1
526	White	7	7 S	10 E	3115	St. Louis	Aetna Oil & Oil Management—J. W. Burris 1
527	White	34	4 S	9 E	3456	Ste. Genevieve	W. C. McBride, Inc.—Peters 1
528	White	9	5 S	10 E	3218	Ste. Genevieve	Ryan Oil—K. Storms 1
529	White	35	6 S	10 E	3028	Levias	Magnolia Petroleum—H. Pearee Trust 1
530	White	7	7 S	9 E	3154	Ste. Genevieve	Sinclair-Wyoming—Doerner 1
531	White	24	4 S	9 E	3330	Ste. Genevieve	Skelly Oil—E. Winter 1
532	White	9	5 S	9 E	3404	Ste. Genevieve	Nash Redwine—C. Baehman 1
533	White	23	5 S	9 E	3160	McClosky	Randall & Brown—J. Britt 1
534	White	14	5 S	10 E	3212	Ste. Genevieve	C. Robinson—Patrick 1
535	White	36	6 S	8 E	3158	Bethel, Aux Vases, & McClosky	Sinclair-Wyoming—A. Cobbel 1
536	White	32	6 S	9 E	3268	Ste. Genevieve	N. E. Marshall—Norris City Bank 1
537	White	4	7 S	8 E	3155	Ste. Genevieve	Carter Oil—W. Davis 1
538	White	15	7 S	10 E	3001	Ste. Genevieve	Gulf—J. Harlen 1
539	White	17	7 S	9 E	3173	Bethel	Sinclair-Wyoming—E. O. Porter 1
540	White	34	4 S	9 E	3405	Ste. Genevieve	Delk Investment Corp.—J. Doerr 1
541	White	24	5 S	8 E	3300	Ste. Genevieve	Sheridan & Heath—Ralston Trust 1
542	White	4	7 S	9 E	3137	St. Louis	W. C. McBride—M. Millikan 1
543	White	18	7 S	9 E	3243	St. Louis	Sinclair-Wyoming—C. E. Wilson 1
544	Williamson	14	10 S	3 E	2531	Ste. Genevieve	Superior Oil—E. H. Jones 1
545	Williamson	7	9 S	3 E	2642	Ste. Genevieve	Turbeville et al—J. R. Spiller 1
546	Williamson	10	8 S	3 E	3136	St. Louis	Shell Oil—Madison "A" 1
547	Williamson	8	8 S	3 E	2956	Fredonia	Tioga Oil—H. Biehl Community 1
548	Williamson	13	8 S	3 E	3217	Ste. Genevieve	Shell—Madison "B" 1
549	Williamson	36	8 S	3E	2898	Fredonia	Smokey Oil—Isaacs 1

[1] Explanation of symbols:

P—Penn.
De—Degonia
Cl—Clore
Pa—Palestine
W—Waltersburg
T—Tar Springs
G—Glen Dean
H—Hardinsburg
C—Cypress
Pc—Paint Creek
B—Bethel
A—Aux Vases
L—Levias
R—Rosiclare
F—Fredonia
M—McClosky
Sa—Salem
Wa—Warsaw
Ha—"Hardin"
D—Devonian
Tr—"Trenton"

DRILLED IN 1942—Concluded

Initial production (bbls.)	Field name of new discoveries and extensions	Date of completion	Cores in Survey Files[1]			
			Saturated			Dry
			Light	Fair	Good	
62 + 38	Carmi North	3-24-42				
72 + 58	Herald[3]	3-10-42	P, Cl, A	T, C, M	B	
28 + 4	Concord	3-17-42	C			
90	Centerville East[3]	4-7-42				
Dry		4-21-42	C			
Dry		4-28-42				
Dry		6-2-42				A
Dry		5-19-42				
90	Maunie South[3]	6-16-42				
Dry		6-23-42	Cl, W, T, C, B	Pa		A
Dry		7-21-42				
Dry		7-14-42			C	A
30	Carmi[6]	7-21-42			L, M	
Dry		7-7-42				Pe
159	Roland[3]	7-7-42	C, B, A			
Dry		7-14-42				
Dry		7-28-42	C, A			
Dry		10-27-42				T, C, A, M
25 + 30	Herald[3]	11-10-42				
Dry		1-5-43				
Dry		12-8-42		C		
Dry		1-5-43				
Dry		12-22-42	C			A
Dry		2-17-42				R, M
Dry		3-10-42				
Dry		4-21-42		C	L	T, G, H, A, M
Dry		8-18-42			L	
Dry		8-25-42	Pa, T, H, C		M	A
Dry		8-18-42	C, Pe, A, R		M	

[2] Gas, millions of cubic feet.
[3] Extensions.
[4] Not commercial.
[5] Abandoned 8-4-42.
[6] This well revives Carmi pool.
[7] This well may open a new pool.
[8] This pool is included (12-31-42) with Sailor Springs Pool.
[9] Reworked wildcat formerly considered part of Goldengate Pool—designated (11-17-42) discovery well Barnhill East pool.